A practical introduction to Java programming—fully revised for long-term support release Java SE 11 Thoroughly updated for Java Platform Standard Edition 11, this hands-on resource shows, step by step, how to get started programming in Java from the very first chapter. Written by Java guru Herbert Schildt, the book starts with the basics, such as how to create, compile, and run a Java program. From there, you will learn essential Java keywords, syntax, and commands. Java: A Beginner's Guide, Eighth Edition covers the basics and touches on advanced features, including multithreaded programming, generics, Lambda expressions, and Swing. Enumeration, modules, and interface methods are also clearly explained. This Oracle Press guide delivers the appropriate mix of theory and practical coding necessary to get you up and
running developing Java applications in no time. Clearly explains all of the new Java SE 11 features. Features self-tests, exercises, and downloadable code samples. Written by bestselling author and leading Java authority Herbert Schildt. The Oxford Textbook of Medical Mycology is a comprehensive reference text which brings together the science and medicine of human fungal disease. Written by a leading group of international authors to bring a global expertise, it is divided into sections that deal with the principles of mycology, the organisms, a systems based approach to management, fungal disease in specific patient groups, diagnosis, and treatment. The detailed clinical chapters take account of recent international guidelines on the management of fungal disease. With chapters covering recent developments in taxonomy, fungal genetics and other 'omics', epidemiology, pathogenesis, and immunology, this textbook is well suited to aid both scientists and clinicians. The extensive illustrations, tables, and in-depth coverage of topics, including discussion of the non-infective aspects of allergic and toxin mediated fungal disease, are designed to aid the understanding of mechanisms and pathology, and extend the usual approach to fungal disease. This textbook is essential reading for microbiologists, research scientists, infectious diseases clinicians, respiratory physicians, and those managing immunocompromised patients. Part of the Oxford Textbook in Infectious Disease and Microbiology series, it is also a useful companion text for students and trainees looking to supplement mycology courses and microbiology training. Provides an analysis of the nature vs. nurture debate, arguing for an end to the "either/or" nature of the discussions in favor of a recognition that environmental and genetic factors interact throughout life to form human traits. The Gayborhood: From Sexual Liberation to Cosmopolitan Spectacle explores the lived experiences of LGBT+ persons in an era of heightened visibility. The contributors analyze the future of LGBT+ politics and look beyond the commercialized rainbow spectacle of gayborhoods into the communities and aspirations within. Since its inception, Introduction to Genetic Analysis has been known for its prominent authorship—leading scientists in their field who are great educators. This market best-seller exposes students to the landmark experiments in genetics, teaching students how to analyze experimental data and how to draw their own conclusions based on scientific thinking while teaching students how to think like geneticists. As well as emphasising the links to evolution, 'Ecology' covers all the levels of the ecological hierarchy at which the subject is studied. It focuses on their integration to ensure that students are able to grasp how events in nature are interconnected. This ground-breaking resource demonstrates how genetic knowledge can influence our understanding of a child's behaviour and therefore inform their behavioural support plan. With expert advice and clear instructions, it shows exactly how to go about incorporating syndrome knowledge into ABA practice and start treating children with specific genetic syndromes more effectively. Six different genetic
syndromes are covered in detail, ranging from Angelman syndrome to Williams syndrome. The book also includes general sections on genetic intellectual disability syndromes and an explanation of ABA methodology. This will be an invaluable and enlightening book for ABA practitioners and other professionals supporting people with intellectual disabilities caused by a specific genetic syndrome from age 3 to young adult, providing the missing link between ABA and the role that genetics can play in accurate assessment and intervention. Provides an introduction to genetic analysis. This book covers contemporary genetics, and helps students understand the essentials of genetics, featuring various experiments, teaching them how to analyze data, and how to draw their own conclusions The author team welcomes a new coauthor, Sean B. Carroll, a recognized leader in the field of evolutionary development, to this new edition of Introduction to Genetic Analysis (IGA). The authors’ ambitious new plans for this edition focus on showing how genetics is practiced today. In particular, the new edition renews its emphasis on how genetic analysis can be a powerful tool for answering biological questions of all types. Special Preview available. Genes quickly established itself as one of the foremost teaching resources in modern biology following its first publication in 1983. It has retained that position through two further editions (1985 and 1987). It was the first textbook to provide a unified view of the molecular biology of prokaryotes (bacteria) and eukaryotes (higher organisms - animals and plants) but this integrated view has always been supported by descriptions of the approaches that the researchers are currently using, making it the most consistently up-to-date account of the rapid advances which have been madein this field during the 1980s. The purpose of this book is to give an account of what is known about the structure and function of genes in both eukaryotes and prokaryotes. The author provides a authoritative, consistent discussion of the complex biochemical and genetic answers to some crucial questions. What is a gene? How isit reproduced? How are its characteristics conceived or modified within individuals or over evolutionary time? How is it expressed? What controls expression? In effect it covers the ground that now constitutes the core of any modern course in genetics or biochemistry above the most elementary level. National Book Award Finalist: A biologist's “thoroughly enjoyable” account of the expeditions that unearthed the history of life on our planet (Publishers Weekly). Not so long ago, most of our world was an unexplored wilderness. Our sense of its age was vague and vastly off the mark, and much of the knowledge of our own species’ history was a set of fantastic myths and fairy tales. But scientists were about to embark on an amazing new era of understanding. From the New York Times–bestselling author of The Big Picture, this book leads us on a rousing voyage that recounts the most important discoveries in two centuries of natural history: from Darwin's trip around the world to Charles Walcott's discovery of pre-Cambrian life in the Grand Canyon; from Louis and Mary Leakey's investigation of our deepest past in
East Africa to the trailblazers in modern laboratories who have located a time clock in our DNA. Filled with the same sense of adventure that spurred on these extraordinary men and women, Remarkable Creatures is a “stirring introduction to the wonder of evolutionary biology” (Kirkus Reviews). “Charming and enlightening.” —San Francisco Chronicle “As fast-paced as a detective story.” —Nature Never HIGHLIGHT a Book Again! Virtually all of the testable terms, concepts, persons, places, and events from the textbook are included. Cram101 Just the FACTS101 studyguides give all of the outlines, highlights, notes, and quizzes for your textbook with optional online comprehensive practice tests. Only Cram101 is Textbook Specific. Accompanys: 9781429229432 . Never HIGHLIGHT a Book Again! Virtually all of the testable terms, concepts, persons, places, and events from the textbook are included. Cram101 Just the FACTS101 studyguides give all of the outlines, highlights, notes, and quizzes for your textbook with optional online comprehensive practice tests. Only Cram101 is Textbook Specific. Accompanys: 9780716768876 . Scores of talented and dedicated people serve the forensic science community, performing vitally important work. However, they are often constrained by lack of adequate resources, sound policies, and national support. It is clear that change and advancements, both systematic and scientific, are needed in a number of forensic science disciplines to ensure the reliability of work, establish enforceable standards, and promote best practices with consistent application. Strengthening Forensic Science in the United States: A Path Forward provides a detailed plan for addressing these needs and suggests the creation of a new government entity, the National Institute of Forensic Science, to establish and enforce standards within the forensic science community. The benefits of improving and regulating the forensic science disciplines are clear: assisting law enforcement officials, enhancing homeland security, and reducing the risk of wrongful conviction and exoneration. Strengthening Forensic Science in the United States gives a full account of what is needed to advance the forensic science disciplines, including upgrading of systems and organizational structures, better training, widespread adoption of uniform and enforceable best practices, and mandatory certification and accreditation programs. While this book provides an essential call-to-action for congress and policy makers, it also serves as a vital tool for law enforcement agencies, criminal prosecutors and attorneys, and forensic science educators. Presents an introduction to evolutionary developmental biology which studies genes and their role in biological diversity and evolution. For all the discussion in the media about creationism and 'Intelligent Design', virtually nothing has been said about the evidence in question - the evidence for evolution by natural selection. Yet, as this succinct and important book shows, that evidence is vast, varied, and magnificent, and drawn from many disparate fields of science. The very latest research is uncovering a stream of evidence revealing evolution in action - from the actual observation of a species splitting into two, to new fossil
discoveries, to the deciphering of the evidence stored in our genome. Why Evolution is True weaves together the many threads of modern work in genetics, palaeontology, geology, molecular biology, anatomy, and development to demonstrate the 'indelible stamp' of the processes first proposed by Darwin. It is a crisp, lucid, and accessible statement that will leave no one with an open mind in any doubt about the truth of evolution. Evolution presents foundational concepts through a contemporary framework of population genetics and phylogenetics that is enriched by current research and stunning art. In every chapter, new critical thinking questions and expanded end-of-chapter problems emphasizing data interpretation reinforce the Second Edition’s focus on helping students think like evolutionary biologists. Tells how research aimed at a cure for pneumonia, based on the determination of how an inactive bacterium became active, led to an understanding of the role of DNA. With each edition, An Introduction to Genetic Analysis (IGA) evolves discovery by discovery with the world of genetic research, taking students from the foundations of Mendelian genetics to the latest findings and applications by focusing on the landmark experiments that define the field. With its author team of prominent scientists who are also highly accomplished educators, IGA again combines exceptional currency, expansive updating of its acclaimed problem sets, and a variety of new ways to learn genetics. Foremost is this edition’s dedicated version of W.H. Freeman’s breakthrough online course space, LaunchPad, which offers a number of new and enhanced interactive tools that advance IGA’s core mission: to show students how to analyze experimental data and draw their own conclusions based on scientific thinking while teaching students how to think like geneticists. In the past century, nearly all of the biological sciences have been directly affected by discoveries and developments in genetics, a fast-evolving subject with important theoretical dimensions. In this rich and accessible book, Paul Griffiths and Karola Stotz show how the concept of the gene has evolved and diversified across the many fields that make up modern biology. By examining the molecular biology of the 'environment', they situate genetics in the developmental biology of whole organisms, and reveal how the molecular biosciences have undermined the nature/nurture distinction. Their discussion gives full weight to the revolutionary impacts of molecular biology, while rejecting 'genocentrism' and 'reductionism', and brings the topic right up to date with the philosophical implications of the most recent developments in genetics. Their book will be invaluable for those studying the philosophy of biology, genetics and other life sciences. The food supply chain needs to reassure consumers and businesses about the safety and standards of food. Global estimates of the cost of food fraud to economies run into billions of dollars hence a huge surge in interest in food authenticity and means of detecting and preventing food fraud and food crime. Approaches targeting DNA markers have assumed a pre-eminence. This book is the most comprehensive and timely collection of
material from those working at the forefront of DNA techniques applied to food authenticity. Addressing the new field of analytical molecular biology as it combines the quality assurance rigour of analytical chemistry with DNA techniques, it introduces the science behind DNA as a target analyte, its extraction, amplification, detection and quantitation as applied to the detection of food fraud and food crime. Making the link with traditional forensic DNA profiling and describing emerging and cutting-edge techniques such as next generation sequencing, this book presents real-world case studies from a wide perspective including from analytical service providers, industry, enforcement agencies and academics. It will appeal to food testing laboratories worldwide, who are just starting to use these techniques and students of molecular biology, food science and food integrity. Food policy professionals and regulatory organisations who will be using these techniques to back up legislation and regulation will find the text invaluable. Those in the food industry in regulatory and technical roles will want to have this book on their desks. For all introductory genetics courses. Concepts of Genetics emphasises the fundamental ideas of genetics, while exploring modern techniques and applications of genetic analysis. This best-selling text continues to provide understandable explanations of complex, analytical topics and recognises the importance of teaching students how to become effective problem solvers. The 12th Edition has been extensively updated to provide comprehensive coverage of important, emerging topics such as CRISPR-Cas and the study of posttranscriptional gene regulation in eukaryotes. An expanded emphasis on ethical considerations that genetics is bringing into everyday life is addressed in Genetics, Ethics, and Society and Case Study features. The full text downloaded to your computer With eBooks you can: search for key concepts, words and phrases make highlights and notes as you study share your notes with friends eBooks are downloaded to your computer and accessible either offline through the Bookshelf (available as a free download), available online and also via the iPad and Android apps. Upon purchase, you will receive via email the code and instructions on how to access this product. Time limit The eBooks products do not have an expiry date. You will continue to access your digital ebook products whilst you have your Bookshelf installed. This version includes textbook and LaunchPad Access. With each edition, An Introduction to Genetic Analysis (IGA) evolves discovery by discovery with the world of genetic research, taking students from the foundations of Mendelian genetics to the latest findings and applications by focusing on the landmark experiments that define the field. With its author team of prominent scientists who are also highly accomplished educators, IGA again combines exceptional currency, expansive updating of its acclaimed problem sets, and a variety of new ways to learn genetics. The pack comes with LaunchPad. Unique LaunchPad features include new step-by-step problem solving videos, and animations of genetic processes and experiments. Curated pre-built units are easy to assign or adapt with
your own material, such as video, animations, simulations, readings, quizzes, discussion groups and more. Modern Genetic Analysis - with CD-ROM 2nd edition, the second introductory genetics textbook W.H. Freeman has published by the Griffiths author team, implements an innovative approach to teaching genetics. Rather than presenting material in historical order, the text integrates molecular genetics with classical genetics. The integrated approach provides students with a concrete foundation in molecules, while simultaneously building an understanding of the more abstract elements of transmission genetics. The book also incorporates greater attention to pedagogy, improved chapter organization, enhanced art, and a better overall design, making it a more effective learning tool. Never HIGHLIGHT a Book Again Virtually all testable terms, concepts, persons, places, and events are included. Cram101 Textbook Outlines gives all of the outlines, highlights, notes for your textbook with optional online practice tests. Only Cram101 Outlines are Textbook Specific. Cram101 is NOT the Textbook. Accompanys: 9780521673761 Since its inception, Introduction to Genetic Analysis (IGA) has been known for its prominent authorship including leading scientists in their field who are great educators. This market best-seller exposes students to the landmark experiments in genetics, teaching students how to analyze experimental data and how to draw their own conclusions based on scientific thinking while teaching students how to think like geneticists. Visit the preview site at www.whfreeman.com/IGA10epreview DNA evidence not only solves crimes—in Sean Carroll's hands it will now end the Evolution Wars. DNA, the genetic blueprint of all creatures, is a stunningly rich and detailed record of evolution. Every change or new trait, from the gaudy colors of tropical birds to our color vision with which we admire them, is due to changes in DNA that leave a record and can be traced. Just as importantly, the DNA evidence has revealed several profound surprises about how evolution actually works.

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