

## Java - Introduction to Programming

### Exercise 1 SOLUTIONS

1. Enter 3 numbers from the user & make a function to print their average.  
*//Try to convert it into a function on your own.*

```
import java.util.*;

public class Solutions {
    public static void main(String args[]) {
        Scanner sc = new Scanner(System.in);
        int a = sc.nextInt();
        int b = sc.nextInt();
        int c = sc.nextInt();

        int average = (a + b + c) / 3;
        System.out.println(average);
    }
}
```

2. Write a function to print the sum of all odd numbers from 1 to n.

```
import java.util.*;

public class Solutions {
    public static void printSum(int n) {
        int sum = 0;

        for(int i=1; i<=n; i++) {
            if(i % 2 != 0) {
                sum = sum + i;
            }
        }

        System.out.println(sum);
    }

    public static void main(String args[]) {
        Scanner sc = new Scanner(System.in);
        int n = sc.nextInt();
    }
}
```

# Introduction To Java Programming Exercise Solutions

**Y. Daniel Liang**



## **Introduction To Java Programming Exercise Solutions:**

*Introduction to Java Programming* Y. Daniel Liang, 2009 Groundbreaking fundamentals first approach enables readers to understand the basics before being introduced to more challenging topics Liang offers one of the broadest ranges of carefully chosen examples reinforcing key concepts with objectives lists introduction and chapter overviews easy to follow examples chapter summaries review questions programming exercises and interactive self test Now uses standard classes only Offers new chapters on data structures JSF for visual Web development and Web services includes a new standalone chapter on the full GUI library Uses UML diagrams in every example starting chapter 8 Includes additional notes with diagrams

Comprehensive coverage of Java and programming make this a useful reference for IT professionals *Introduction to Java Programming, Comprehensive Version 2014-2015* Harry Hariom Choudhary, 2014-01-15 Made Java Skills Easy \_

Introduction to Java Programming Comprehensive Version 8Th 10th Best Selling Edition Easy Standard Special Beginner s To Expert Edition for Students and IT Professional s 2014 This Java Book is One of worlds Best Java Book Author teaches concepts of problem solving and object oriented programming using a fundamentals first approach Beginning programmers learn critical problem solving techniques then move on to grasp the key concepts of object oriented GUI programming advanced GUI and Web programming using Java Regardless of major students will be able to grasp concepts of problem solving and programming thanks to Authors fundamentals first approach students learn critical problem solving skills and core constructs before object oriented programming Authors approach has been extended to application rich programming examples which go beyond the traditional math based problems found in most texts Students are introduced to topics like control statements methods and arrays before learning to create classes Later chapters introduce advanced topics including graphical user interface exception handling I O and data structures Small simple examples demonstrate concepts and techniques while longer examples are presented in case studies with overall discussions and thorough line by line explanations Increased data structures chapters make the Tenth Edition ideal for a full course on data structures

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**Java Programming Exercises** Christian Ullenboom, 2024-09-04 Take the next step in raising your coding skills and dive into the intricacies of Java Standard Libraries You will continue to raise your coding skills and test your Java knowledge on tricky programming tasks with the help of the pirate Captain CiaoCiao This is

the second of two volumes which provide you with everything you need to excel in your Java journey including tricks that you should know in detail as a professional as well as intensive training for clean code and thoughtful design that carries even complex software Features 149 tasks with commented solutions on different levels For all paradigms object oriented imperative and functional Clean code reading foreign code and object oriented modeling With numerous best practices and extensively commented solutions to the tasks these books provide the perfect workout for professional software development with Java

**Big Java** Cay S. Horstmann,2009-12-30 This book introduces programmers to objects at a gradual pace The syntax boxes are revised to show typical code examples rather than abstract notation This includes optional example modules using Alice and Greenfoot The examples feature annotations with dos and don ts along with cross references to more detailed explanations in the text New tables show a large number of typical and cautionary examples New programming and review problems are also presented that ensure a broad coverage of topics In addition Java 7 features are included to provide programmers with the most up to date information

**Intro to Java Programming, Comprehensive Version, Global Edition** Y Daniel Liang,2015-02-27 This text is intended for a 1 2 or 3 semester CS1 course sequence Daniel Liang teaches concepts of problem solving and object oriented programming using a fundamentals first approach Beginning programmers learn critical problem solving techniques then move on to grasp the key concepts of object oriented GUI programming advanced GUI and Web programming using Java Teaching and Learning Experience To provide a better teaching and learning experience for both instructors and students this program offers Fundamentals First Approach Basic programming concepts are introduced on control statements loops functions and arrays before object oriented programming is discussed Problem Driven Motivation The examples and exercises throughout the book emphasize problem solving and foster the concept of developing reusable components and using them to create practical projects A Superior Pedagogical Design that Fosters Student Interest Key concepts are reinforced with objectives lists introduction and chapter overviews easy to follow examples chapter summaries review questions programming exercises and interactive self tests The Most Extensive Instructor and Student Support Package Available

**Introduction to Java Programming with Sun One Studio 4** Y. Daniel Liang,2003 First on the market to cover Sun s new IDE Forte this special edition of a Liang s widely used Java book is a comprehensive introduction to Java programming with an expanded in depth treatment of object oriented programming The book is easy to read and well paced and is ideal for self study The book covers all subjects required in the Level I Java Certification Exam fundamentals of programming including primitive data types control statements methods and arrays object oriented programming graphics programming exception handling internalization multithreading multimedia I O networking and Java data structures

**A Programmer's Guide to Java Certification** Khalid Azim Mughal,Rolf W. Rasmussen,2003 Includes several mock exams and a version of the SCJP 1 4 Exam Simulator on accompanying CD ROM

**Introduction to Java Programming** Y. Daniel Liang,2012-02-15 An audience centered approach to public speaking

Public Speaking An Audience Centered Approach brings theory and practice together Its distinctive and popular approach emphasizes the importance of analyzing and considering the audience at every point in the speech making process This model of public speaking is the foundation of the text and it guides students through the step by step process of public speaking focusing their attention on the dynamics of diverse audiences and narrowing the gap between the classroom and the real world MyCommunicationLab is an integral part of the Beebe Beebe program MyCommunicationLab is an integral part of the Beebe Beebe program With extensive opportunities for the application of course content MyCommunicationLab helps students become better speakers and master key public speaking concepts Interactive videos provide students with the opportunity to watch and evaluate sample speeches Online self assessments and pre and post tests help students assess their comfort level with public speaking and their knowledge of the material MediaShare allows students to post speeches and share them with classmates and instructors ALERT Before you purchase check with your instructor or review your course syllabus to ensure that you select the correct ISBN Several versions of Pearson s MyLab check with the seller before completing your purchase Used or rental books If you rent or purchase a used book with an access code the access code may have been redeemed previously and you may have to purchase a new access code Access codes Access codes that are purchased from sellers other than Pearson carry a higher risk of being either the wrong ISBN or a previously redeemed code Check with the seller prior to purchase Fundamentals of Computer Programming with C# Svetlin Nakov,Veselin Kolev,2013-09-01 The free book Fundamentals of Computer Programming with C is a comprehensive computer programming tutorial that teaches programming logical thinking data structures and algorithms problem solving and high quality code with lots of examples in C It starts with the first steps in programming and software development like variables data types conditional statements loops and arrays and continues with other basic topics like methods numeral systems strings and string processing exceptions classes and objects After the basics this fundamental programming book enters into more advanced programming topics like recursion data structures lists trees hash tables and graphs high quality code unit testing and refactoring object oriented principles inheritance abstraction encapsulation and polymorphism and their implementation the C language It also covers fundamental topics that each good developer should know like algorithm design complexity of algorithms and problem solving The book uses C language and Visual Studio to illustrate the programming concepts and explains some C NET specific technologies like lambda expressions extension methods and LINQ The book is written by a team of developers lead by Svetlin Nakov who has 20 years practical software development experience It teaches the major programming concepts and way of thinking needed to become a good software engineer and the C language in the meantime It is a great start for anyone who wants to become a skillful software engineer The books does not teach technologies like databases mobile and web development but shows the true way to master the basics of programming regardless of the languages technologies and tools It is good for beginners and intermediate developers who want to put a solid base for a

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**Introduction to Programming with C++** Y. Daniel Liang,2010 This volume presents basic logic and fundamental programming techniques that are considered essential for new programmers to succeed Basic programming concepts are introduced on control statements loops functions and arrays before object oriented programming is discussed It demonstrates all the essential subjects in C from fundamental programming techniques to object oriented programming from simple functions to STL from simple data types to classic structures The author provides games business applications and mathematical problems to accentuate and demonstrate the information presented in this text

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**Manual for Decker and Hirshfield's Programming. Java** Michael S. Tashbook,Paul A. Nagin,2000 **Java Software Solutions** Adrienne Bloss,N. Jane Ingram,2002-11 [Introduction to Programming and Object-Oriented Design Using Java](#) Jaime Niño,Frederick A. Hosch,2008-02-04 The 3rd edition of Introduction to Programming and Object Oriented Design continues to provide students with an objects first introduction to programming and software design using Java Java is used as a vehicle for teaching problem modeling using fundamental software engineering principles and concepts The text has been updated to include more problems and exercises and additional relevant examples It also offers optional interactive exercises using the DrJava integrated development environment IDE The UML is employed very informally for denoting objects object relationships and system dynamics No specific previous programming experience is assumed and the text is appropriate for first year computer science majors The text could also carry over to a second course on data structures or software OO design

**Beginning JavaServer Pages** Vivek Chopra,Jon Eaves,Rupert Jones,Sing Li,John T. Bell,2005-02-08

JSP is one of the core technologies for server side Java applications and the 2.0 release which this book covers in detail makes JSP an even more powerful tool. Walks Java programmers and Web developers through JSP fundamentals including JSP syntax and directives, JSP Expression Language, JSP Tag libraries, JSTL and techniques for testing and debugging. Shows how to use JSP in real world Web applications along with open source frameworks such as Struts, WebWork and Turbine software design methodologies and developer tools like Ant, JUnit and CVS as well as popular IDEs, integrated development environments. Each chapter has an exercise section with solutions on the companion Web site.

*Java Program Design*  
James P. Cohoon, Jack Winfred Davidson, 2004. The breadth of coverage and the arrangement of the chapters provide flexibility for the instructor. For the student it allows advanced learners to go further in the language and it makes the book valuable as a reference source.

*21st Century Learning for 21st Century Skills*  
Andrew Ravenscroft, Stefanie Lindstaedt, Carlos Delgado Kloos, Davinia Hernández-Leo, 2012-09-18. This book constitutes the refereed proceedings of the 7th European Conference on Technology Enhanced Learning (EC TEL 2012) held in Saarbrücken, Germany in September 2012. The 26 revised full papers presented were carefully reviewed and selected from 130 submissions. The book also includes 12 short papers, 16 demonstration papers, 11 poster papers and 1 invited paper. Specifically, the programme and organizing structure was formed through the themes: mobile learning and context serious and educational games, collaborative learning, organisational and workplace learning, learning analytics and retrieval, personalised and adaptive learning, learning environments, academic learning and context and learning facilitation by semantic means.

**Introduction to Java Programming and Data Structures, Comprehensive Version, Global Edition**  
Y. Daniel Liang, 2018-04-09. 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 gain instant access to this eBook. 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 text is intended for a 1 semester CS1 course sequence. The Brief Version contains the first 18 chapters of the Comprehensive Version. The first 13 chapters are appropriate for preparing the AP Computer Science exam. For courses in Java Programming: A fundamentals first introduction to basic programming concepts and techniques. Designed to support an introductory programming course. Introduction to Java Programming and Data Structures teaches concepts of problem solving and object oriented programming using a fundamentals first approach. Beginner programmers learn critical problem solving techniques then move on to grasp the key concepts of object oriented GUI programming, advanced GUI and Web programming using JavaFX. This course approaches Java GUI programming using JavaFX which has replaced Swing as the new GUI tool for developing cross platform rich Internet applications and is simpler to learn and use. The 11th edition has been completely revised to enhance clarity and

presentation and includes new and expanded content examples and exercises Introduction to Java Programming, Brief Version, Global Edition Y. Daniel Liang, 2018-06-21 This text is intended for a 1 semester CS1 course sequence The Brief Version contains the first 18 chapters of the Comprehensive Version The first 13 chapters are appropriate for preparing the AP Computer Science exam For courses in Java Programming A fundamentals first introduction to basic programming concepts and techniques Designed to support an introductory programming course Introduction to Java Programming and Data Structures Brief Version teaches concepts of problem solving and object orientated programming using a fundamentals first approach Beginner programmers learn critical problem solving techniques then move on to grasp the key concepts of object oriented GUI programming advanced GUI and Web programming using JavaFX This course approaches Java GUI programming using JavaFX which has replaced Swing as the new GUI tool for developing cross platform rich Internet applications and is simpler to learn and use The 11th edition has been completely revised to enhance clarity and presentation and includes new and expanded content examples and exercises 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 ll gain instant access to this eBook 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 *An Introduction to Computer Science Using Java* Samuel N. Kamin, M. Dennis Mickunas, Edward M. Reingold, 1998 Of exercises including new quick review exercises throughout the chapter

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