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.

```java
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.

```java
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

G Orfield

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

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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 successful career in the software engineering industry The book is accompanied by free video lessons presentation slides and mind maps as well as hundreds of exercises and live examples Download the free C programming book videos presentations and other resources from http introprogramming info Title Fundamentals of Computer Programming with C The Bulgarian C Programming Book ISBN 9789544007737 ISBN 13 978 954 400 773 7 9789544007737 ISBN 10 954 400 773 3 9544007733 Author Svetlin Nakov programming concepts programming fundamentals compiler Visual Studio NET NET Framework data types variables expressions statements console conditional statements control flow logic loops arrays numeral systems methods strings text processing StringBuilder exceptions exception handling stack trace streams files text files linear data structures list linked list stack queue tree balanced tree graph depth first search DFS breadth first search BFS dictionaries hash tables associative arrays sets algorithms sorting algorithm searching algorithms recursion combinatorial algorithms algorithm complexity OOP object oriented programming classes objects constructors fields properties static members abstraction interfaces encapsulation inheritance virtual methods polymorphism cohesion coupling enumerations generics namespaces UML design patterns extension methods anonymous types lambda expressions LINQ code quality high quality code high quality classes high quality methods code formatting self documenting code code refactoring problem solving problem solving methodology 9789544007737 9544007733 **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 *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

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