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Student Name: _____
Class and Section _____
Total Points (20 pts) _____
Due: August 27, 2010 before the class

Project: Phone keypads

CSCI 1302 Advanced Programming Principles
Armstrong Atlantic State University

Problem Description:

The international standard letter/number mapping found on the telephone is shown below:

```
1      2      3
1      ABC DEF
4      5      6
GHI   JKL MNO
7      8      9
PQRS TUV WXYZ
0
```

Write a program that reads a letter and displays its corresponding digit.

Introduction To Java Programming Exercise Solutions Liang

Y. Daniel Liang



Introduction To Java Programming Exercise Solutions Liang:

Introduction to Java Programming Y. Daniel Liang, 2011 Introduction to Java Programming Brief 8e consists of the first 20 chapters from the Comprehensive version of Introduction to Java Programming It introduces fundamentals of programming problem solving object oriented programming and GUI programming The Brief version is suitable for a CS1 course Regardless of major students will be able to grasp concepts of problem solving and programming thanks to Liang s fundamentals first approach students learn critical problem solving skills and core constructs before object oriented programming Liang s approach includes 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 In the Eighth Edition only standard classes are used

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 An Introduction to Java Programming Y. Daniel Liang, 1998 Software Programming Languages **Introduction to Java Programming** Y. Daniel Liang, 2008-03-01 Substantially enhanced clarity content presentation examples and exercises characterise this edition Many new illustrations chapters and case studies have been included **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 Introduction to Java Programming with JBuilder 3 Y. Daniel Liang, 2000 For comprehensive courses on Java Programming This comprehensive introduction to the concepts and practice of Java programming builds carefully and cumulatively from chapter to chapter Early chapters provide the conceptual basis for understanding Java and guide students through simple examples and exercises subsequent chapters progressively present Java programming in detail and culminate in teaching the development of comprehensive Java applications The appendices

contain a mixed bag of topics that include an HTML tutorial To facilitate developing and managing Java programs the book is aided by JBuilder With a tool like JBuilder students can not only develop Java programs more productively but also learn Java programming more effectively

Computer Graphics Using Java 2D and 3D Hong Zhang, Y. Daniel Liang, 2007 This Java based graphics text introduces advanced graphic features to a student audience mostly trained in the Java language Its accessible approach and in depth coverage features the high level Java 2D and Java 3D APIs offering a presentation of 2D and 3D graphics without compromising the fundamentals of the subject

Nonlinear Filtering Jitendra R. Raol, Girija Gopalratnam, Bhekisipho Twala, 2017-07-12 Nonlinear Filtering covers linear and nonlinear filtering in a comprehensive manner with appropriate theoretic and practical development Aspects of modeling estimation recursive filtering linear filtering and nonlinear filtering are presented with appropriate and sufficient mathematics A modeling control system approach is used when applicable and detailed practical applications are presented to elucidate the analysis and filtering concepts MATLAB routines are included and examples from a wide range of engineering applications including aerospace automated manufacturing robotics and advanced control systems are referenced throughout the text

Rapid Java Application Development Using Sun ONE Studio 4 Y. Daniel Liang, 2003 In this most recent iteration of Rapid Java Y Daniel Liang shows both professionals and students how to use Sun ONE Studio 4 to develop and manage advanced Java programs The text covers Java Beans model view control advanced Swing components JDBC servlets JSP and RMI This book will allow the reader to master the powerful Sun ONE Studio 4 IDE and use it to develop advanced W v projects effectively efficiently and with a minimum of coding As with earlier editions the approach is incremental in style Early chapters introduce JavaBeans the building blocks of rapid Java development while later chapters focus sequentially on rapid application development techniques designed to create comprehensive robust and useful graphics applications RMI and Java servlets Beneficial Features Hands on examples provides step by step instruction in building a project using w m ONE Studio s Form Beans Pattern wizard and a variety of other wizards Comprehensive coverage of advanced Java programming on Java Beans Bean event models developing customized components Swing components creating custom layout managers Bean persistence bound properties and constraint properties Bean introspection and customization Java database programming and distributed programming using remote method invocation and Java servlets UML graphical notations illustrate real world standard notations used for Manning and developing object oriented programs Excellent pedagogy includes Notes expanding the reader s informational base on the topic matter Tips to develop good programming style and practice and Cautions to help avoid programming errors CD ROM with each book contains Sun ONE Studio 4 and Forte IDE source code solutions to even numbered programming exercises and a wealth of related software A website to supplement the text will be provided by the author

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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 *Forthcoming Books* Rose Army,2001-08

Introduction to Java Programming, Brief Version Y. Daniel Liang,2013 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 The Brief version is comprised of Chapters 1 20 of the Comprehensive View a book walk through here <http://www.pearsonhighered.com/showtell/liangjava/web> [Introduction to Java Programming, Brief Version, Student Value Edition Plus MyProgrammingLab with Pearson EText - Access Card Package](#) Y. Daniel Liang,2017-06 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 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 you concepts of problem solving and object orientated programming using a fundamentals first approach As beginner programmers you 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 Personalize learning with MyLab Programming MyLab Programming is an online learning system designed to engage students and improve results MyLab Programming consists of programming exercises correlated to the concepts and objectives in this book Through practice exercises and immediate personalized feedback MyLab Programming improves the programming competence of beginning students who often struggle with the basic concepts of programming languages 0134756371 9780134756370 Introduction to Java Programming Brief Version Student Value Edition Plus MyProgrammingLab with Pearson eText Access Card Package 11 e Package consists of 0134671716 9780134671710 Introduction to Java Programming Brief Version Student Value Edition 11 e 0134672976 9780134672977 MyProgrammingLab with Pearson eText Access Code Card for Introduction to Java Programming Brief Version 11 e

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Introduction to JAVA Programming Y. Daniel Liang, 2014-09-01 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.

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