

Home > Science > Computer Science > Programming Languages

COSC 100 Chapter 10

Leave the first rating

STUDY

- Flashcards
 - Learn
 - Write
 - Spell
 - Test
- PLAY
- Match



Key concepts:

- System Development Life Cycle
- Top Down Design
- Object Oriented Programming

Upgrade to remove ads
Only \$2.99/month

Terms in this set (50)

Flowchart	Which of the following provides a visual representation of the patterns of an algorithm?
True	Inheritance means that the data and methods of an existing class can be extended and customized to form a new class.
Testing and documentation	Which of the following is the final stage of the program development life cycle (PDLC)?
False	Bottom-up design is a systematic approach in which a problem is broken into a series of high-level tasks.
inheritance	In object-oriented programming, _____ allows a new class to inherit attributes and methods from an existing class.

	class to automatically use all the data and methods an existing class.
apps for smartphones	Corona and Magmito can be used to develop ____
Source code	_____ is the instructions programmers have written a higher-level language.
control structures	The keywords used in programming languages that use decisions to redirect the flow of a program are called _____.
Programming	_____ is the process of translating a task into a serie of commands that a computer will use to perform th task.
runtime	Division by zero is a _____ error that is caught when the program executes.
False	The standard set of vocabulary for pseudocode is specific and detailed.
portability	The capability of moving a completed programming solution easily from one type of computer to another is known as _____.
They use a set of short, English-based commands (such as SUB) that speak directly to the CPU.	Which statement does NOT describe fifth-generatic languages?
Pseudocode	_____ is a combination of natural language and programming language that is used to document ar algorithm.
True	Second-generation languages are also known as assembly languages.
True	The program specification is a clear statement of th goals and objectives of the project.
beta	Before its final commercial release, a(n) _____ versic of software may be offered to certain test sites or to interested users free or at a reduced cost.
Pseudocode	_____ is not actual programming code but uses words to describe the algorithm.

flowchart	A(n) _____ is a visual diagram of a process that includes any decisions that are made along the way
Top-down design	_____ breaks down a problem into a series of high-level tasks and continues to break each task into successively more detailed subtasks.
rectangle	The flowchart shape for a process is a(n) _____.
test condition	A loop decision point consists of three features: an initial value, a set of actions to be performed, and a(n) _____.
coding	Translating an algorithm into a programming language is called _____.
compilation	The process that converts program code into machine language is called _____.
Problem and opportunity identification	What is the first step of the system development life cycle (SDLC)?
machine language	A first-generation language is _____.
Java applet	A small Java-based program is called a _____.
algorithm	The set of specific, sequential steps that describe exactly what a computer program must do to complete the work is called a(n) _____.
True	When programmers need to create several different examples of a class, each is known as an object.
executable	A(n) _____ program is the binary sequence that has been translated from source code by a compiler for use by the CPU.
maintenance and evaluation	The final step of the system development life cycle (SDLC) is _____.
4GL	SQL is an example of a _____.
Fortran	Which of the following would NOT be used to build websites with interactive capabilities?
loop	A(n) _____ is a control structure that continues to be

	performed while a test condition is true.
False	PROLOG is an example of a fourth-generation programming language.
Visual Basic	_____ is a powerful programming language that can be used to create a wide range of Windows applications.
XML	_____ enables users to define their own data-based tags and facilitates exchange of information between websites.
Objective C	Which language is the most popular language for writing Apple OS X applications?
True	One IDE can often be configured to support many different languages.
True	Data-flow diagrams trace all data in an information system from the point at which data enter the system to their final resting places.
False	During the program debugging stage, the people who will use the program test the software.
False	A compiler translates the source code into an intermediate form, line by line.
HTML/XHTML	Special symbols called tags are used in which of the following languages?
interpreter	A(n) _____ translates source code into an intermediate form, line by line.
False	A data-flow diagram provides a visual representation of an algorithm.
classes	Object-oriented _____ are defined by the information (data) and the actions (methods) associated with them.
collection of tools that helps programmers write and test their programs	An integrated development environment (IDE) is a _____.
False	The flowchart shape for input or output is an oval.

False	Syntax errors are caught only when a program executes.
True	Data are the raw inputs that users have at the start of the job.

THIS SET IS OFTEN IN FOLDERS WITH...

fund of it quiz 8

42 terms

stealth_boy

Chapter 8: Managing a Digital Lifestyle: Media and...

46 terms

ashleeg95

CIS 100 Practice Exam 2

84 terms

robyn_blanton

Chapter 9

25 terms

elizabeth_mott6