Quizlet

Technology in Action Chapter 10

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Key concepts:

| Program Code Into Machine Lan... | System Development Life Cycle | Object Oriented Programmin |

Terms in this set (45)

What is the first step of the system development life cycle? (SDLC)? a) Design b) Analysis c) Development and documentation d) Problem and opportunity identification	Problem and opportunity identification
The final step of the system development life cycle (SDLC) is _____. a) testing and installation	maintenance and evaluation

b) maintenance and evaluation
c) design
d) analysis

_____ is the process of
translating a task into a series of
commands that a computer will
use to perform the task

a) Analyzing
b) Debugging
c) Programming
d) Diagramming

Programming

Which of the following is the
final stage of the program
developmental life cycle
(PDLC)?

a) Testing and documentation
b) Coding
c) Making the plan
d) Debugging the code

Testing and documentation

The set of specific, sequential
steps that describe exactly what
a computer program must do to
complete the work is called a(n)
_____.

a) pseudocode
b) flowchart
c) algorithm
d) structure chart

algorithm

Which of the following provides
a visual representation of the
patterns of an algorithm?

a) Flow analysis
b) Flowchart
c) Pseudocode
d) Gantt chart

Flowchat

_____ is a combination of natural
language and programming
language that is used to
document algorithm.

Pseudocode

a) Pseudocode
b) Flowcharting
c) Debugging
d) Diagramming

The keywords used in programming languages that use decisions to redirect the flow of a program are called _____. a) pseudocode b) flowcharts c) control structures d) operators	control structures
A loop decision point consists of three features: an initial value, a set of actions to be performed, and a(n) _____. a) testing plan b) test condition c) operator d) class	test condition
The flowchart shape for a process is a(n) _____. a) rectangle b) diamond c) oval d) parallelogram	rectangle
_____ breaks down a problem into a series of high-level tasks and continues to break each task into successively more detailed subtasks. a) Top-down design b) Bottom-up design c) Inheritance d) Object-oriented analysis	Top-down design
Object-oriented _____ are defined by the information (data) and the actions (methods) associated with them. a) blocks b) units	classes

c) classes
d) fields

In object-oriented programming, _____ allows new class to automatically use all the data and methods of an existing class. a) scalability b) inheritance c) reusability d) regression	inheritance
The first-generation language is _____ a) assembly language b) BASIC c) machine language d) COBOL	machine language
The capability of moving a completed programming solution easily from one type of computer to another is known as _____. a) portability b) scalability c) inheritance d) transferability	portability
SQL is an example of a _____. a) 2GL b) 3GL c) 4GL d) 5GL	4GL
Which statement does NOT describe fifth generation languages? a) The system of facts can be queried. b) Problems are presented as a series of facts or constraints rather than as a specific algorithm. c) They use a set of short, English-based commands (such as SUB) that speak directly to	They use a set of short, English-based commands (such as SUB) that speak directly to the CPU.

the CPU.
d) They are the most "natural" of
languages.

Translating an algorithm into a programming language is called _____. a) coding b) compiling c) executing d) interpreting	coding
The process that converts program code into machine language is called _____. a) compilation b) variable declaration c) execution d) documentation	compilation
_____ is the instructions programmers have written in a higher-level language. a) Executable code b) Compiled code c) Base code d) Source code	Source code
An integrated development environment (IDE) is a _____. a) program that helps interpret code b) program that translates code into binary 1s and 0s and ignores comments c) tool that converts one programming language into a different programming language d) collection of tools that helps programmers write and test their programs	collection of tools that helps programmers write an test their programs.
Division by zero is a _____ error that is caught when the program executes. a) logical b) syntax	runtime

c) compiler
d) runtime

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before its final commercial   beta
release, a(n) ____ version of
software may be offered to
certain test sites or to interested
users free or at a reduced cost

a) general availability (GA)
b) gamma
c) release to manufacturers
(RTM)
d) beta

____ is a powerful programming   Visual Basic
language that can be used to
create a wide range of Windows
applications.

a) PHP
b) Visual Basic
c) HTML
d) BASIC

Which language is the most   Objective C
popular language for writing
Apple OS X applications?

a) Objective C
b) C++
c) Java
d) HTML

A small Java-based program is   Jave applet
called a ____.

a) Java applet
b) Java class
c) JSP
d) JavaScript

Special symbols called tags are   HTML/XHTML
used in which of the following
languages?

a) C#
b) HTML/XHTML
c) C++
d) Java

Which of the following would   Fortran

NOT be used to build websites
with interactive capabilities?

a) PHP (hypertext preprocessor)
b) Active Server Pages
c) Fortran
d) Java Server Pages

_____ enables users to define
their own data-based tags and
facilities exchange of
information between websites.

a) XML
b) HTML
c) XHTML
d) PHP

XML

Corona and Magmito can be
used to develop _____.

a) complex web applications
b) Mac software
c) apps for smartphones
d) Web pages

apps for smartphones

Data-flow diagrams trace all
data in an information system
from the point at which data
enter the system to their final
resting places.

True or False

True

The program specification is a
clear statement of the goals and
objectives of the project

True or False?

True

During the program debugging
stage, the people who will use
the program test the software.

True or False

False

Data are the raw inputs that
users have at the start of the job

True or False?

True

The standard set of vocabulary for the pseudocode is specific and detailed True or False?	False
The flowchart shape for input output is an oval. True or False?	False
A data-flow diagram provides a visual representation of an algorithm. True or False?	False
Bottom-up design is a systematic approach in which a problem is broken into a series of high-level tasks. True or False?	False
When programmers need to create several different examples of a class, each is known as an object. True or False?	True
Inheritance means that the data and methods of an existing class can be extended and customized to fit a new class. True or False?	True
PROLOG is an example of a fourth-generation programming language. True or False?	False
Second-generation languages are also knows as assembly languages. True or False?	True
A compiler translates the source	False

code into an intermediate form, line by line. True or False?	
One IDE can often be configured to support many different languages. True or False?	True
Syntax errors are caught only when a program executes. True or False?	False

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coleen1347	ashleeg95

Chapter 9 Practice Multiple Choice	Chapter 7: Networking: Connecting Computing Devices
30 terms	45 terms
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