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Tech ch 10

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Terms in this set (50)

In the SDLC, in which phase is the program specification developed?	analysis
The step of the SDLC in which we document the transfer of data from the point where it enters the system to its final storage or output is the	design phase
the life cycle of a program begins with describing a problem and making a plan. Then the PDLC requires	coding, debugging, and testing
a(n) __ is custom-built miniprogram that allows you to execute a complicated sequence of steps with a single command	macro

how many steps are there in the system development life cycle	6
what is the first step of the system development life cycle	problem and opportunity identification
during which phase of the system development life cycle are flowcharts and data-flow diagrams developed	design
in a __ system, each step is dependent on the previous step being completed first	waterfall
__ is the process of translating a task into series of commands that a computer will use to perform the task	programming
which of the following is the first stage of the program development life cycle (PDLC)	describing the problem
which of the following is the final stage of the program development life cycle (PDLC)	testing and documentation
the description of what a program should do if the input data are invalid is called	error handling
the set of specific, sequential steps that describe exactly what a computer program must do to complete the work is called a(n)	algorithm
information is most closely related to which of the following	output
which of the following provides a visual representation of patterns that an algorithm comprises	flowchart
__ is a text-based approach to documenting an algorithm	pseudocode

a __ is a visual diagram of a process including the decisions that need to be made along the way	flowchart
keywords in a programming language that redirect the flow of a program based on a decision are called	control structures
the flowchart shape for a binary decision is a(n)	diamond
the method of algorithm creation used when a programmer breaks down a problem into a series of high-level tasks and continues to break each task into successively more detailed subtasks is called	top-down design
with object-oriented analysis, programmers identify categories of input that are part of the problem into	classes
in object oriented programming, __ allows a new class to automatically pick up all the data and methods of an existing class	inheritance
the first generation language is	machine language
fortran, c++, and Java are all __ generation language	third
the capability of moving a completed programming solution easily from one type of computer to another is known as	portability
PROLOG is an example of a __	5GL
which statement does NOT describe fifth-generation language	they use a set of short, English based commands (such as SUB) that speak directly to the CPU

SQL is an example of a ___ generation language	4th
translating an algorithm into a programming language is called	coding
the process by which program code is converted into machine language is called	compilation
the binary sequence that instructs the CPU to run the programming code is called a(n)	executable program
___ is the instructions programmers have written in a higher-level language	source code
an editor is a ___	program that translates code into binary 1s and 0s, ignored comments, and helps programmers input correct, appropriate code
an integrated development environment (IDE) is a ___	tool that helps programmers write and test their programs
a(n) ___ error is caught when the program executes	logical
division by zero is a(n)___ error that is caught when the program executes	runtime
before its final commercial release, software is often provided free or at a reduced cost in a(n) ___ version to certain test sites or to interested users	beta
which statement about selecting the right programming language for a project is FALSE	programming languages require the same amount of time to execute
some programmers include scroll bars, title bars, buttons, and menus in a program simply by adding them to a layout through a process called ___ programming	visual

___ is a powerful programming language used to build a wide range of Windows applications	visual basic
which of the following development environments enables web sites to talk to each other easily by introducing a standard way for software to interact through web services	the .net framework
which languages do programmers use if the problem requires a lot of number crunching	C++
which of the following statements about Java is FALSE	java can run only on a windows operating system
which of the following statements describes dynamic decision making	it is the ability of a web page to decide how to display itself based on choices the reader makes
small java-based programs are called	java applets
special symbols called tags are used in which of the following languages	HTML/XHTML
___ is a scripting language that's often used to add interactivity to web pages	javascript
to develop web-based multimedia, adobe flash includes a programming language named ___ which is similar to javascript in its keywords, operators, and classes	action script
___ enables users to define their own data-based tags and facilitates exchange of information between web sites	XML
where will you find Xcode	shipped with OSX

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