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Graded Quiz: Basics of Programming

Latest Submission Grade 90%

1. Software developers use an _____ to reference a program component such as a stored value, method, interface, or class by assigning a custom-named label to it.

1 / 1 point

- ☐ container
- ☐ constant
- ☐ variable
- ☒ identifier

**Correct**

This is the correct definition of an identifier.

2. What is a piece of structured, stand-alone, and reusable code that will perform a single specific action called?

1 / 1 point

- ☐ a container
- ☒ a function
- ☐ an array
- ☐ a vector

**Correct**

A function is a piece of structured, stand-alone, and reusable code that will perform a single specific action.

3. Which one of the following is NOT an example of an interpreted programming language?

1 / 1 point

- ☐ JavaScript
- ☒ Java
- ☐ HTML
- ☐ Python

**Correct**

Java is actually an example of a compiled programming language.

4. True or false? Compiled programming languages are versatile and can be used across platforms as long as there is the correct interpreter.

1 / 1 point

- ☐ True
- ☒ False

**Correct**

Actually, interpreted programming languages are versatile and can be used across platforms as long as there is the correct interpreter.

5. Which one of the following does NOT apply to compiled programming languages?

1 / 1 point

- ☐ Available to users who have the same operating system or a device that understands the same language
- ☐ Better for programs installed on the computer or device
- ☒ A smaller program, normally scripted code, that must be created and repeated every time the code is run
- ☐ More difficult to write in, but creates faster applications

✓ **Correct**
Actually, this statement better describes interpreted programming languages.

6. Which one of the following does NOT apply to interpreted programming languages?

0 / 1 point

- ☐ Easier to learn and use, but requires an interpreter that can translate the source code into machine code
- ☐ Takes longer to write the code, but it runs faster
- ☐ Better for websites and smaller processes that need to be repeated
- ☒ Available to many users across multiple platforms or in the cloud

✗ **Incorrect**
This statement does describe interpreted programming languages. / Review the Interpreted versus Compiled Programming Languages reading.

7. True or false? A high-level programming language uses the common English language to make its code more understandable and to increase the speed of coding and debugging programs.

1 / 1 point

- ☒ True
- ☐ False

✓ **Correct**
This is the definition of a high-level programming language.

8. Which one of the following is NOT an example of a high-level programming language?

1 / 1 point

- ☐ SQL
- ☒ ARM
- ☐ Python
- ☐ Pascal

✓ **Correct**
ARM is actually an example of a low-level programming language.

9. True or false? Boolean logic is a type of programming statement with only two values, "true" or "false", and is used in both branching and looping programming logic.

1 / 1 point

- ☒ True
- ☐ False

✓ **Correct**
The statement is true as written.

10. Which of the following is NOT correct about using pseudocode to organize code?

1 / 1 point

- ☒ Pseudocode is especially beneficial for smaller concepts and problems because it provides an easy method of communication about the logic and starting point for the project.

- ☐ Pseudocode is an informal type of programming description that does not require any strict programming language syntax or underlying technology considerations.
- ☐ Pseudocode is used for creating an outline or a rough draft of a program that summarizes a program's flow but excludes underlying details.
- ☐ Pseudocode helps both programmers and non-programmers agree about the program's goal and the basics of how the task should be done.



Correct

This is actually a benefit of using flowcharts since they are easier to create initially.