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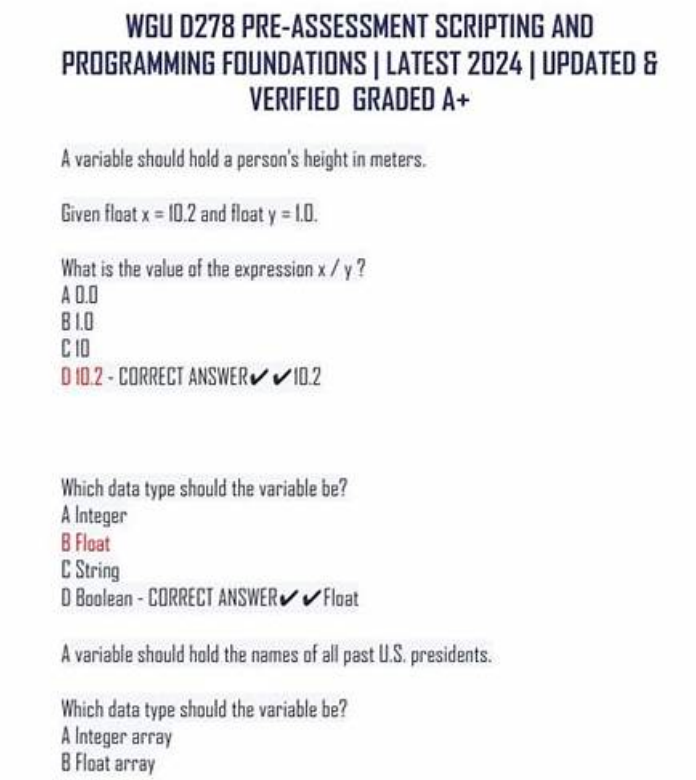

WGU D278 PRE-ASSESSMENT SCRIPTING AND PROGRAMMING FOUNDATIONS | LATEST 2024 | UPDATED & VERIFIED GRADED A+

A variable should hold a person's height in meters.

Given float x = 10.2 and float y = 1.0.

What is the value of the expression x / y ?
A 0.0
B 1.0
C 10
D 10.2 - CORRECT ANSWER✔✔10.2

Which data type should the variable be?
A Integer
B Float
C String
D Boolean - CORRECT ANSWER✔✔Float

A variable should hold the names of all past U.S. presidents.

Which data type should the variable be?
A Integer array
B Float array

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大家在準備考試的時候，可以結合本網站最新的 WGU Scripting-and-Programming-Foundations 擬真試題去認真地做練習，這樣的話，可以為你的考試節省很多的時間。WGU 的 Scripting-and-Programming-Foundations 考試整體來說還是不算複雜的，只要事先將擬真試題看好就沒有問題了。還有，做實驗題是要一定要多想想，這樣的話，才能將自身的一些素質提高上去。我們的考題網剛更新 Scripting-and-Programming-Foundations 題庫能確保考生能順利通過 Scripting-and-Programming-Foundations 考試，獲得 WGU 認證證照。

WGU Scripting-and-Programming-Foundations 考試大綱：

主題	簡介
主題 1	• Identifying Scripts for Computer Program Requirements: This section of the exam measures the skills of Junior Software Developers and covers the ability to match a task with the correct script or programming approach. It highlights how different scripts can satisfy specific requirements and how to recognize the right structure for a given programming problem.

主題 2	• Scripting and Programming Foundations: This section of the exam measures the skills of Junior Software Developers and covers the essential building blocks of programming. It focuses on variables, data types, flow control, and basic design concepts. Learners understand how programming logic works and how different languages handle similar tasks. The section also introduces the difference between interpreted and compiled languages in a simple and practical way.
主題 3	• Explaining Logic and Outcomes of Simple Algorithms: This section of the exam measures the skills of Entry Level Programmers and covers the ability to read simple algorithms and understand how they work. It focuses on predicting outputs, understanding step by step logic, and identifying how basic instructions create a final result. The goal is to help learners understand algorithm reasoning without requiring advanced coding knowledge.
主題 4	• Using Fundamental Programming Elements: This section of the exam measures skills of Entry Level Programmers and covers the use of basic programming components required in everyday tasks. It includes working with variables, loops, conditions, and simple logic to perform common operations. The focus is on applying these elements correctly to complete small programming assignments in a clear and organized way.

>> Scripting-and-Programming-Foundations更新 <<

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每個IT人士都在努力，不是為了升職就是為了加薪，這也是現代社會所形成的壓力的一種體現。這樣討得上司的喜歡，還不如用實力說話。大家來通過WGU的Scripting-and-Programming-Foundations考試認證吧，其實這個考試也沒有想像的那麼苦難，只需要你選擇合適的培訓資料就足夠，PDFExamDumps WGU的Scripting-and-Programming-Foundations考試培訓資料將是最好的培訓資料，選擇了它你就是選擇你最想要的，為了現實，趕緊行動吧。

最新的 Courses and Certificates Scripting-and-Programming-Foundations 免費考試真題 (Q17-Q22):

問題 #17
What is required for all function calls?

- A. Parameters
- B. Function name
- C. Output values
- D. Input arguments

答案：B

解題說明：
When calling a function in Python, you simply give the name of the function followed by parentheses. Even if the function doesn't take any arguments, you still need to include the parentheses. For example, print("Hello!") is a function call. The function name should describe what it's supposed to do.
Function definitions begin with the def keyword, followed by the function name and parameters (if any). The statements within the function definition are indented and carry out the task the function is supposed to perform2. References:
* Function Calls and Definitions - Real Python
* Function Calls | Microsoft Learn
* Stack Overflow: Find all function calls by a function

問題 #18
Which two situations would be helped by using a programming library?

- A. A programmer is developing a database application that can house various types of data. The software cannot know

ahead of time the data type, and so the programmer needs variables that do not require an initial declaration type.
- B. A programming student is writing code to iterate through the integers in a list and determine the maximum.
- C. A programmer needs to write several interacting objects for a student gradebook application, some of which need an inheritance structure.
- D. A video game programmer needs to perform several animation tasks, all of which are very common in the industry. The programmer does not want to have to code each task. And they are unsure if they a even know how lo code a few of them.
- E. A programmer is writing a piece of mathematical code that requires the heavy use of recursive functions.
- F. A programmer needs to perform a series of file compression tasks. These tasks are commonly performed by programmers, and the programmer does not want to have to code them all by hand

答案：D,F

解題說明：
Programming libraries are collections of pre-written code that programmers can use to perform common tasks without having to write the code from scratch. They are particularly helpful in situations where:
* The tasks are common and standardized across the industry, such as animation tasks in video games (Option C). Using a library can save time and resources, and also ensure that the animations are up to industry standards.
* The tasks are well-known and frequently performed by many programmers, such as file compression (Option D). Libraries provide a reliable and tested set of functions that can handle these tasks efficiently.
For the other options:
* A: While a library could be used, writing interacting objects and implementing inheritance is a fundamental part of object-oriented programming and may not necessarily require a library.
* B: Iterating through a list to find the maximum value is a basic programming task that typically doesn't require a library.
* E: Dynamic typing or the use of variables without an initial declaration type is a feature of the programming language itself rather than a library.
* F: Recursive functions are a programming concept that can be implemented without the need for a library, unless the recursion is part of a specific algorithm that a library might provide.

問題 #19
Which phase of an agile application would create a function that calculates shipping costs based on an item's weight and delivery zip code?

- A. Testing
- B. Design
- C. Analysis
- D. Implementation

答案：D

解題說明：
In the Agile software development life cycle, the Implementation phase is where the actual coding and development of the project take place. This is the stage where a function to calculate shipping costs based on an item's weight and delivery zip code would be created. The Implementation phase involves translating the design and analysis work into functional software components. It's during this phase that developers write code and build features that will eventually be tested and refined in subsequent phases.
References:
* Agile methodologies emphasize incremental development and delivery, where the Implementation phase is key for developing new functions1.
* The Agile Software Development Life Cycle outlines the Implementation phase as the stage where the actual product development happens2.
* Wrike's Agile Guide also describes the Implementation (or Iteration) phase as the time when the team builds the software3.

問題 #20
One requirement for the language of a protect is that it is based on a series of method calls.
When type of language is characterized in this way?

- A. Functional
- B. Markup
- C. Static
- D. Compiled

答案：A

解題說明：
A language characterized by a series of method calls is typically referred to as a functional language. In functional programming, computation is treated as the evaluation of mathematical functions and avoids changing-state and mutable data. It is a declarative programming paradigm, which means programming is done with expressions or declarations instead of statements. In functional languages, functions are first-class citizens, meaning they can be passed as arguments to other functions, returned as values from other functions, and assigned to variables.

問題 #21
Which two statements describe advantages to using programming libraries?

- A. Using libraries turns procedural code into object-oriented code.
- B. A program that uses libraries is more portable than one that does not.
- C. The programmer can improve productivity by using libraries.
- D. Using a library minimizes copyright issues in coding
- E. Using a library prevents a programmer from having to code common tasks by hand.
- F. Libraries always make code run faster.

答案：C,E

解題說明：
* E. The programmer can improve productivity by using libraries.
* Why: Libraries offer pre-written, tested code for common tasks. This saves developers time and effort, leading to increased productivity.
* F. Using a library prevents a programmer from having to code common tasks by hand.
* Why: The core purpose of libraries is to provide reusable code solutions. This eliminates the need to reinvent the wheel for frequently used functions and operations.

問題 #22
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