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We all know that WGU Scripting and Programming Foundations Exam (Scripting-and-Programming-Foundations) exam dumps are an important section of the Scripting-and-Programming-Foundations exam that is purely based on your skills, expertise, and knowledge. So, we must find quality Scripting-and-Programming-Foundations Questions that are drafted by industry experts who have complete knowledge regarding the Scripting-and-Programming-Foundations Certification Exam and can share the same with those who want to clear the Scripting-and-Programming-Foundations exam. The best approach to finding WGU Scripting and Programming Foundations Exam (Scripting-and-Programming-Foundations) exam dumps is to check the Prep4King that is offering the Scripting-and-Programming-Foundations practice questions.

WGU Scripting-and-Programming-Foundations Exam Syllabus Topics:

Topic	Details

Topic 1	<ul style="list-style-type: none"> 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.
Topic 2	<ul style="list-style-type: none"> 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.
Topic 3	<ul style="list-style-type: none"> 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.
Topic 4	<ul style="list-style-type: none"> 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.

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WGU Scripting and Programming Foundations Exam Sample Questions (Q119-Q124):

NEW QUESTION # 119

A software developer determines the mathematical operations that a calculator program should support. Which two Waterfall approach phases are involved?

- A. Design and implementation
- B. Implementation and testing
- C. Analysis and design
- D. Design and testing

Answer: C

Explanation:

Comprehensive and Detailed Explanation From Exact Extract:

Determining the mathematical operations (e.g., addition, subtraction, multiplication) for a calculator program involves defining what the program should do (requirements) and planning how to achieve it (technical specifications). According to foundational programming principles, this spans the analysis and design phases in the Waterfall methodology.

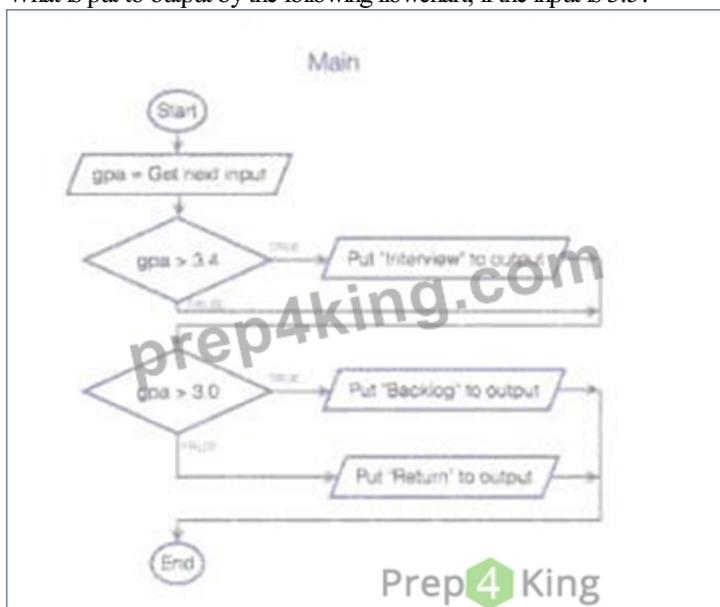
* Waterfall Phases Analysis:

* Analysis: The developer identifies the requirements, such as which operations the calculator must support (e.g., "must perform addition, subtraction, etc.").

- * Design: The developer specifies how these operations will be implemented (e.g., defining functions like add(), subtract(), or their algorithms).
 - * Implementation: Codes the operations.
 - * Testing: Verifies the operations work correctly.
 - * Option A: "Analysis and design." This is correct. Analysis determines the operations needed (requirements), and design outlines their technical specifications (e.g., function signatures or algorithms).
 - * Option B: "Design and implementation." This is incorrect. Implementation involves coding the operations, not determining which operations are needed.
 - * Option C: "Implementation and testing." This is incorrect. These phases occur after the operations are determined, focusing on coding and verification.
 - * Option D: "Design and testing." This is incorrect. Testing verifies the implemented operations, not their determination.
- Certiport Scripting and Programming Foundations Study Guide (Section on Waterfall Phases).
 Sommerville, I., Software Engineering, 10th Edition (Chapter 2: Waterfall Model).
 Pressman, R.S., Software Engineering: A Practitioner's Approach, 8th Edition (Waterfall Analysis and Design).

NEW QUESTION # 120

What is put to output by the following flowchart, if the input is 3.5?



- A. Return
- **B. Interview**
- C. interviewBacking
- D. Backlog

Answer: B

Explanation:

The flowchart provided in the image represents a decision-making process based on the input value. Given the input of 305, we follow the flowchart's decision paths. The first decision checks if the input is less than 200, which 305 is not, so we move to the next decision point. The second decision asks if the input is greater than 300. Since 305 is greater than 300, we follow the path for 'yes' which leads us to the output "Interview". Therefore, the correct output for the input 305 according to the flowchart is "Interview".

NEW QUESTION # 121

A programmer has been hired to create an inventory system for the books in a library. What is the waterfall phase in which waterfall outlining all the functions that need to be written to support the inventory system?

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

- **D. Design**

Answer: D

Explanation:

In the Waterfall model of software development, the phase where all functions that need to be written to support the inventory system would be outlined is the Design phase. This phase is critical as it translates the requirements gathered during the analysis phase into a blueprint for constructing the system. It involves two subphases: logical design and physical design. The logical design subphase is where possible solutions are brainstormed and theorized, while the physical design subphase is when those theoretical ideas and schemas are turned into concrete specifications¹².

NEW QUESTION # 122

Which kind of languages are C, C++ and Java?

- **A. Compiled**
- B. Machine code
- C. Interpreted
- D. Markup

Answer: A

Explanation:

C, C++, and Java are all considered compiled languages. This means that the code written in these languages is not executed directly by the hardware but must first be translated into machine code by a compiler.

* C is a general-purpose programming language that is compiled to generate machine code which can be executed directly by the computer's CPU¹.

* C++ is an extension of C that includes object-oriented features. It is also a compiled language, where the source code is converted into machine code that can be executed by the CPU².

* Java is a bit unique because it is compiled into bytecode, which is then run on a virtual machine (JVM) rather than directly by the CPU. However, it is still considered a compiled language because the source code is compiled before it is executed².

References:

- * Understanding of the compilation process for C, C++, and Java.
- * Official documentation and language specifications for C, C++, and Java.
- * Articles and resources on programming language paradigms and compiler design.

NEW QUESTION # 123

A program adds a service fee to the total cost of concert tickets when the tickets are printed and mailed to customers. Another service fee is also added if the tickets are delivered overnight. Which control structure should be used?

- A. While loop
- **B. Multiple if statements**
- C. Do-while loop
- D. If statement

Answer: B

Explanation:

Comprehensive and Detailed Explanation From Exact Extract:

The program applies service fees based on two independent conditions: (1) if tickets are printed and mailed, and (2) if tickets are delivered overnight. According to foundational programming principles, multiple independent conditions are best handled by separate if statements, as each fee is applied conditionally and does not require iteration.

* Option A: "While loop." This is incorrect. A while loop is used for repeated execution, but applying fees is a one-time decision per ticket order, not a repetitive task.

* Option B: "Do-while loop." This is incorrect. A do-while loop guarantees at least one iteration, which is unnecessary here, as the fee application is a single check.

* Option C: "If statement." This is incorrect. A single if statement can handle one condition, but two independent conditions (mailed and overnight) require separate checks.

* Option D: "Multiple if statements." This is correct. Two if statements can independently check each condition and add the corresponding fee. For example, in Python:

```
total = ticket_cost
if mailed:
total += mail_fee
if overnight:
total += overnight_fee
```

Certipoint Scripting and Programming Foundations Study Guide (Section on Control Structures: Conditionals).
Python Documentation: "If Statements" (<https://docs.python.org/3/tutorial/controlflow.html#if-statements>).
W3Schools: "C If Statement" (https://www.w3schools.com/c/c_if_else.php).

NEW QUESTION # 124

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