

## RH01 Scripting and Programming Foundations Version 2

Section: IT & Computer Studies • Total Questions: 10 • Format: Verified Q&A

### 1. What are two characteristics of programming libraries? (Choose 2 answers)

- (A) A single program can only include one library.
  - (B) The functions in a single library usually serve a common purpose.
  - (C) All of a language's libraries are automatically included in a program.
  - (D) Using libraries will always make a program run less efficiently.
  - (E) A single library normally includes more than one function.
  - (F) One library will contain one function but can have several variables.
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### 2. A function should determine the average of x and y. What should be the function's parameters and return value(s)?

- (A) Parameters: x, y Return value: average
  - (B) Parameters: average Return values: x, y
  - (C) Parameters: none Return values: x, y
  - (D) Parameters: x, y, average Return value: none
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### 3. What are two characteristics of the linear search algorithm? (Choose 2)

- (A) It checks the middle item in the list first
  - (B) It reduces the length of the list by half with each step
  - (C) It is guaranteed to find the key
  - (D) It is generally efficient in the number of steps
  - (E) It checks elements starting from the beginning of the list
  - (F) It requires searching all list elements
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### 4. A software developer has been hired to write scheduling software for a school district. Which Waterfall phase involves running the scheduling algorithms through some sample student course files to make sure a correct schedule gets built?

- (A) Analysis
  - (B) Testing
  - (C) Design
  - (D) Implementation
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**5. What is put to output by the following flowchart, if the input is 3.5?**

- (A) Return
  - (B) Interview
  - (C) InterviewBacklog
  - (D) Backlog
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**6. A project team selects an application's programming method, lists each function, and begins coding. Which two Agile phases are illustrated in this situation?**

- (A) Design and implementation
  - (B) Testing and analysis
  - (C) Implementation and testing
  - (D) Analysis and design
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**7. Algorithm with userInput and pwd. If userInput != pwd and n <= 4 then 'Incorrect=' else 'Access granted/denied'. What is the output?**

- (A) Outputs "lkj"
  - (B) Outputs "lkj11109"
  - (C) Outputs "11109abedefghijklmnopqntuvwxyz"
  - (D) Outputs "aaaaaaaaaabbabbbbbbbececcccc"
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**8. Which output results from the given algorithm? d = 6 n = 61 c = 0 while n >= d c = c + 1 n = n - d Put c to output**

- (A) 10
  - (B) 11
  - (C) 15
  - (D) 16
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**9. Which kind of language is HTML?**

- (A) Statically typed
  - (B) Markup
  - (C) Dynamically typed
  - (D) Object-oriented
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**10. What does a function definition consist of?**

- (A) The function's argument values
  - (B) The function's name, inputs, outputs, and statements
  - (C) An invocation of a function's name
  - (D) A list of all other functions that call the function
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