ENGLAND GCSE COMPUTER SCIENCE OCR · UNIT 4 · 10 QUESTIONS

Programming, Defensive Design and Testing — Practice Test

This practice test was made by AI and there may be mistakes. If a question or answer looks wrong, use the Flag a mistake button to let Brett know so he can fix it.

1 **A tablet app is tested as it is written, with errors fixed as they are found. What is this called?**

- **A** Testing with only normal data
- **B** Testing without running the program at all
- **C** Iterative testing
- **D** Final testing only once it is finished

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2 **A robot program repeats a task until its battery is low. Which loop checks its condition after each repeat?**

- A IF used for selection only
- B FOR
- C DO UNTIL
- D WHILE

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3 **What is the length of the string computer?**

- A 8
- B 80
- C 9
- D 7

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4 Why should a variable be given the right data type?

- A So the program runs without any memory at all
- B So the program stores data on the hard disk only, in some situations
- C So the program stores and uses the value correctly
- D So the program can never have an error in it

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5 What does a counter do in a loop?

- A It stores the data entered by the user
- B It ends the program when the loop finishes, in some situations
- C It keeps track of how many times the loop has run
- D It chooses which path the program follows

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6 **What is the output of False OR False?**

A Not a Boolean value at all

B False

C True

D Both true and false at once

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7 **What does 25 DIV 4 give?**

A 1

B 60

C 7

D 6

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8 **What is iterative testing?**

- A Testing a program without running it at all, which can happen in some cases
- B Testing a program with only normal data
- C Testing a program as it is written and fixing errors as they are found
- D Testing a program only once it is finished

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9 **What is validation?**

- A Checking that data entered is sensible before it is used
- B Checking that files are stored safely on a disk
- C Checking that a program runs without errors
- D Checking that data was typed in correctly by entering it twice

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10 **A program only accepts ages from 0 to 255. Which value would a range check reject?**

A 2,560

B 256

C 255

D 0

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ANSWER KEY

1. C
2. C
3. A
4. C
5. C
6. B
7. D
8. C
9. A
10. B

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