SASKATCHEWAN COMPUTER SCIENCE 20 · UNIT A · 25 QUESTIONS

Data Types and Control Structures — 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 named place in memory that stores a value is called**

- A variable
- B string
- C boolean
- D loop

Understand It with Pulse | Flag a mistake

2 **Which data type best stores a whole number count**

- **A** string
- **B** integer
- **C** boolean
- **D** real only

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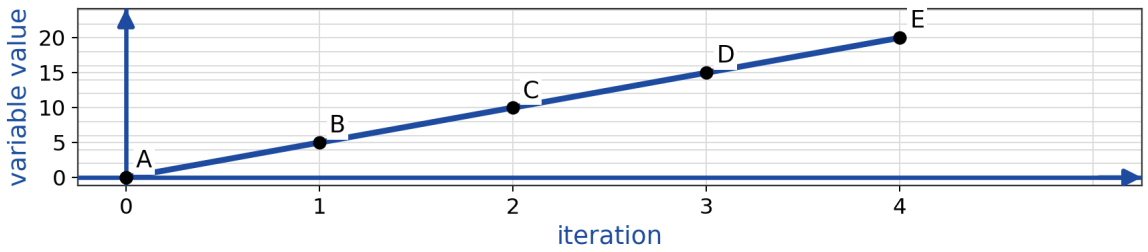
3 **A variable starts at 0. A loop adds 3 each time it runs, and it runs 5 times. The final value of the variable is _____**

ANSWER _____

Understand It with Pulse | Flag a mistake

4 **The graph shows a loop variable over iterations. The value at iteration 3 is _____**



ANSWER _____

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5 **A whole number data type is called**

- A boolean
- B loop
- C integer
- D condition

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6 **A boolean variable can hold**

- A any text
- B any decimal
- C a picture
- D true or false

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7 **A variable starts at 10. A loop adds 2 each time it runs, and it runs 4 times. The final value of the variable is _____**

ANSWER _____

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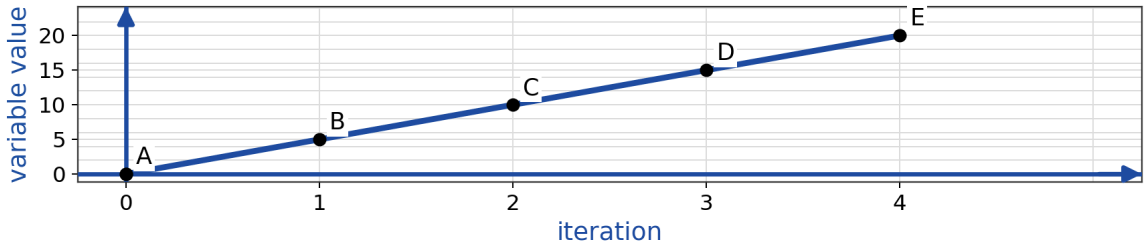
8 **The graph shows a variable increasing by the same amount each iteration. The increase per iteration is**



A 5

B 2

C 10

D 0

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9 **A sequence of characters used as text is called**

A loop

B string

C condition

D if statement

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10 **An if statement runs its code**

A always

B never

C only when its condition is true

D only at the end

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11 **A variable starts at 5. A loop adds 5 each time it runs, and it runs 3 times. The final value of the variable is ____**

ANSWER _____

Understand It with Pulse | Flag a mistake

12 **A data type with only true and false values is called**

A condition

B if statement

C while loop

D boolean

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13 **A while loop stops when its condition becomes**

- A false
- B true
- C larger
- D a string

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14 **A loop starts a counter at 0 and adds 2 each time while the counter is less than 10. The number of times the loop runs is ____**

ANSWER _____

Understand It with Pulse | Flag a mistake

15 **Code that repeats while a condition is true is called**

A if statement

B loop

C while loop

D for loop

Understand It with Pulse | Flag a mistake

16 **Which is a valid use of a loop**

A storing one number

B printing once only

C repeating a task many times

D ending a program

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17 **A loop starts a counter at 1 and adds 3 each time while the counter is less than 13. The number of times the loop runs is ____**

ANSWER _____

Understand It with Pulse | Flag a mistake

18 **A test that is true or false and controls what code runs is called**

A while loop

B for loop

C input

D condition

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19

A string is best described as

A text made of characters

B a whole number

C a true or false value

D a loop

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20

A variable that can hold whole numbers only is of type

A integer

B string

C Boolean

D real

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21 **Code that runs only when a condition is true is called**

A for loop

B if statement

C input

D variable

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22 **A loop starts a counter at 0 and adds 5 each time while the counter is less than 25. The number of times the loop runs is ____**

ANSWER _____

Understand It with Pulse | Flag a mistake

23 **A program needs to keep asking for a password until the user enters the correct one. Which loop is the natural choice?**

- A input
- B variable
- C while loop
- D integer

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24 **A while loop runs 5 times and then stops. How many times was its condition checked?**

- A Once
- B 5 times
- C 6 times
- D Never

Understand It with Pulse | Flag a mistake

25 **A loop that runs a set number of times is called**

A variable

B integer

C string

D for loop

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ANSWER KEY

1. A
2. B
3. 15
4. 15
5. C
6. D
7. 18
8. A
9. B
10. C
11. 20
12. D
13. A
14. 5
15. B
16. C
17. 4
18. D
19. A
20. A
21. B
22. 5
23. C
24. C
25. D

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