

# Quiz review

Started on	Sunday, 25 February 2024, 9:54 PM
State	Finished
Completed on	Sunday, 25 February 2024, 9:58 PM
Time taken	4 mins 52 secs
Marks	14.50/15.00
Grade	96.67 out of 100.00
Feedback	Congratulations!!! You have passed by securing more than 80%

## Question 1

Partially correct

Mark 0.50 out of 1.00

Identify the meaningful variable names which can be used?

Select one or more:

- ☒ a. user1
- ☐ b. \$register\_number
- ☐ c. user name
- ☐ d. 1num

Your answer is partially correct.

Variable names should not start with a number, should not have spaces in between, should not start with symbols except dollar( \$ ) and underscore( \_ )

You have correctly selected 1.

The correct answers are: \$register\_number, user1

## Question 2

Correct

Mark 1.00 out of 1.00

Match the symbols and flowchart to its appropriate functionality

- Parallelogram

Input/output
- Diamond

Decision making
- Rectangle

Process

Your answer is correct.

The correct answer is: Parallelogram → Input/output, Diamond → Decision making, Rectangle → Process



**Question 3**

Correct

Mark 1.00 out of 1.00

Match the appropriate Flowchart symbols with its purpose.



Input/output



Decision making



Connector



Process









Start/Stop



Flow direction



Your answer is correct.

The correct answer is:  → Input/output,  → Decision making,  → Connector,  → Process,  → Start/Stop,  → Flow direction

**Question 4**

Correct

Mark 1.00 out of 1.00

Expression is a combination of \_\_\_\_\_, \_\_\_\_\_ and \_\_\_\_\_

Select one or more:

- ☐ a. keywords
- ☒ b. operators ✓
- ☒ c. variables ✓
- ☒ d. constants ✓
- ☐ e. functions

Your answer is correct.

Expression is a combination of operands and operators. This operand can be a variable or a constant

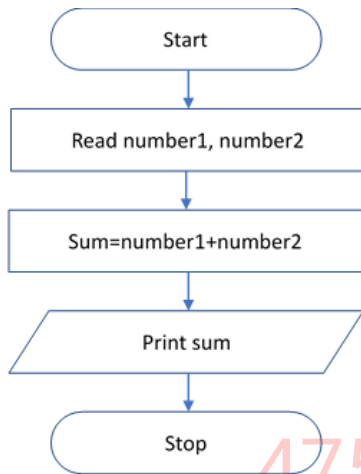
The correct answers are: variables, constants, operators

**Question 5**

Correct

Mark 1.00 out of 1.00

Flow chart for adding numbers



Is the given flowchart correct?

Select one:

- ☐ a. The symbol for start/stop is incorrect
- ☐ b. The symbol for process is incorrect
- ☐ c. The flowchart has no error
- ☒ d. The symbol for reading input from the user is incorrect ✓

Your answer is correct.

Input/output process like reading values, getting input from the user is denoted by parallelogram symbol

The correct answer is: The symbol for reading input from the user is incorrect

**Question 6**

Correct

Mark 1.00 out of 1.00

Arrange the words given below in a meaningful sequence.

1. Word 2. Paragraph 3. Sentence 4. Letters 5. phrase

Select one:

- ☐ a. 4,2,5,1,3
- ☐ b. 4,1,5,2,3
- ☒ c. 4,1,5,3,2 ✓
- ☐ d. 4,1,3,5,2

Your answer is correct.

One should first know letters to make a word, then a phrase, then a sentence and finally a paragraph

The correct answer is: 4,1,5,3,2

**Question 7**

Correct

Mark 1.00 out of 1.00

Stephany is learning to draw a flowchart to calculate the area of a circle. Select the appropriate option that would fit into the process section of the flow chart?

Select one:

- ☐ a. Check if radius has positive value
- ☐ b. Print the area
- ☐ c. Read the value of radius
- ☒ d.  $\text{Area} = 3.14 * \text{radius} * \text{radius}$  ✓

Your answer is correct.

Any process/action involved in a problem would fit into the process section of a flowchart and should be denoted by the rectangle symbol. Calculation of area is the process involved in the above problem

The correct answer is:  $\text{Area} = 3.14 * \text{radius} * \text{radius}$

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## Question 8

Correct

Mark 1.00 out of 1.00

Which of the following represents the correct sequence for the given pseudo-code?

BEGIN

-----

-----

-----

-----

END

- ☐ a. DECLARE variables – number1, number2, result  
result <- number1 \* number2  
READ number1 and number2  
PRINT result
- ☒ b. DECLARE variables – number1, number2, result ✓  
READ number1 and number2  
result <- number1 \* number2  
PRINT result
- ☐ c. DECLARE variables – number1, number2, result  
READ number1 and number2  
PRINT result  
result <- number1 \* number2
- ☐ d. READ number1 and number2  
DECLARE variables – number1, number2, result  
result <- number1 \* number2  
PRINT result

Your answer is correct.

The correct answer is:

DECLARE variables – number1, number2, result  
READ number1 and number2  
result <- number1 \* number2  
PRINT result

## Question 9

Correct

Mark 1.00 out of 1.00

Choose the correct arrangement of mathematical symbols to make the equation true.

- ☐ a.  $600 [-] 400 [+] 800 [/] 300 [\times] 200 = 200$
- ☐ b.  $600 [+] 400 [-] 800 [\times] 300 [/] 200 = 200$
- ☒ c.  $600 [\times] 400 [/] 800 [-] 300 [+] 200 = 200$  ✓
- ☐ d.  $600 [/] 400 [+] 800 [-] 300 [\times] 200 = 200$

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Your answer is correct.

The correct answer is:

$$600 [\times] 400 [/] 800 [-] 300 [+] 200 = 200$$

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## Question 10

Correct

Mark 1.00 out of 1.00

Examine the correct logic with their descriptions

**BEGIN****DECLARE mark1, mark2, mark3, average****READ mark1, mark2, mark3****average <- (mark1+mark2+mark3)/3****PRINT average**

finding the average mark of three subjects

**END****BEGIN****DECLARE principal, number\_of\_years, rate\_of\_interest,result****READ principal, number\_of\_years, rate\_of\_interest****result <---(principal\* number\_of\_years\*, rate\_of\_interest)/100****PRINT result**

calculating simple interest problem

**END****BEGIN****DECLARE radius,circumference****READ radius****circumference <---- 2\*3.14\*radius****PRINT circumference**

calculating the perimeter of a circle

**END**

Your answer is correct.

The correct answer is:

**BEGIN****DECLARE mark1, mark2, mark3, average****READ mark1, mark2, mark3****average <- (mark1+mark2+mark3)/3****PRINT average****END**

→ finding the average mark of three subjects,

**BEGIN****DECLARE principal, number\_of\_years, rate\_of\_interest,result****READ principal, number\_of\_years, rate\_of\_interest****result <---(principal\* number\_of\_years\*, rate\_of\_interest)/100****PRINT result****END**

→ calculating simple interest problem,

**BEGIN****DECLARE radius,circumference****READ radius****circumference <---- 2\*3.14\*radius****PRINT circumference****END**

→ calculating the perimeter of a circle

**Question 11**

Correct

Mark 1.00 out of 1.00

An algorithm described in the form of programming language is



Your answer is correct.

The correct answer is:

An algorithm described in the form of programming language is [Pseudo code]

**Question 12**

Correct

Mark 1.00 out of 1.00

Rearrange the pseudo-code for multiplying two given numbers, Choose the correct option from the below.

1 BEGIN

2 result <- number1 \* number2

3 PRINT result

4 READ number 1 and number 2

5 DECLARE variables – number1, number2, result

6 END

- ☐ a. 1 4 5 2 3 6
- ☐ b. 1 5 4 3 2 6
- ☐ c. 1 4 5 3 2 6
- ☒ d. 1 5 4 2 3 6 ✓

Your answer is correct.

The correct answer is:

1 5 4 2 3 6




## Question 13

Correct

Mark 1.00 out of 1.00

Which of the following represents the correct sequence for the given algorithm?

- ☐ a. Start  
Get the two numbers.  
Display the sum value.  
Add the two numbers and store the result in sum.  
Stop
- ☒ b. Start   
Get the two numbers.  
Add the two numbers and store the result in sum.  
Display the sum value.  
Stop
- ☐ c. Get the two numbers.  
Start  
Add the two numbers and store the result in sum.  
Display the sum value.  
Stop
- ☐ d. Start  
Add the two numbers and store the result in sum.  
Get the two numbers.  
Display the sum value.  
Stop

Your answer is correct.

The correct answer is:

Start  
Get the two numbers.  
Add the two numbers and store the result in sum.  
Display the sum value.  
Stop

**Question 14**

Correct

Mark 1.00 out of 1.00

Which of the following represents the correct sequence for the given pseudo-code?

BEGIN

[1] READ mark1, mark2, mark3, mark4, mark5

[2] PRINT average

[3] total < mark1 + mark2 + mark3 + mark4 + mark5

[4] average < total / 5

[5] DECLARE mark1, mark2, mark3, mark4, mark5, total, average

END

☐ a. 1 5 3 4 2

☒ b. 5 1 3 4 2 ✓

☐ c. 5 1 4 3 2

☐ d. 1 5 4 3 2

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Your answer is correct.

The correct answer is:

5 1 3 4 2

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## Question 15

Correct

Mark 1.00 out of 1.00

Choose the correct and meaningful pseudo-code to add two numbers?

Select one:

- ☐ a. BEGIN  
    READ a, b  
    sum=a+b  
    PRINT sum  
END
- ☐ b. Start the process  
    READ a,b  
    ADD a,b and store it in sum  
    Display sum  
    Stop
- ☐ c. BEGIN  
    READ a, b  
    sum=add(a,b)  
    DISPLAY sum  
END
- ☒ d. BEGIN  
    DECLARE number1,number2,sum  
    READ number1,number2  
    sum<---number1+number2  
    PRINT sum  
END

Your answer is correct.

Usage of proper indentation, meaningful variable names, and correct logic makes the pseudo-code effective

The correct answer is:

BEGIN  
    DECLARE number1,number2,sum  
    READ number1,number2  
    sum<---number1+number2  
    PRINT sum  
END

◀ Estimation of Total Cost

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