



QUESTION 1

Choose the correct option –

a) Which among the following is a valid class name?

- (i) Simple Interest
- (ii) SimpleInterest
- (iii) 1SimpleInterest
- (iv) Simple@Interest

Ans -

b) Which among the following is not a logical operator?

- (i) .
- (ii) >
- (iii) ==
- (iv) New

Ans -

c) Which among the following represent a syntax error?

- (i) Dividing an integer by 0
- (ii) Accessing an element that is out of bound of an array
- (iii) Addition is required but subtraction is performed
- (iv) Missing semicolon

Ans -

d) What value will `Math.sqrt(Math.ceil(8.1))` return?

- (i) 9
- (ii) 4
- (iii) 3
- (iv) 1

e) Which looping process checks the test condition at the end of the loop?

- (i) For
- (ii) While
- (iii) Do – while
- (iv) None of the above

Ans –

QUESTION 2

- a) Find the value of a and b after the execution if a =5 and b=9

`a+ = a++ - ++b + a`

Ans –

- b) What is Type Conversion? Name the two type conversions in JAVA.

Ans –

- c) Why a class is called user – defined data type?

Ans –

d) What is the function of switch statement?

Ans –

e) Mention one similarity and one dissimilarity between while loop and for loop.

Ans – Similarity :

Dissimilarity :

QUESTION 3

Write a program in JAVA to take input of a number and print the factorial of it [The factorial of a non-negative integer is the product of all the numbers from 1 till that number.

For example $3! = 1 \times 2 \times 3 = 6$]

QUESTION 4

Write a program in JAVA to take input of a number. Check and print whether it is a duck number or not.(Duck number is another special positive non-zero number that contains zero in it. The digit zero should not be presented at the starting of the number.)

