

JAVA MCQ Test

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1. Which of the following is NOT true for JAVA?
 - a. Class-based object-oriented
 - b. High-level
 - c. Interpreted
 - d. Compiled

Answer: c

2. Which package contains the Scanner class?
 - a. java.lang
 - b. java.util
 - c. java.io
 - d. java.awt

Answer: b

3. What is the purpose of the main function? Write the code for the main function in JAVA.

Answer: The starting point of the execution of the code

```
public static void main (String[] args)
```

4. What are the two types of loops in JAVA.

Answer: Entry – controlled, Exit – controlled

5. Write the code to print the values of an array.

Answer: `int[] arr = {1, 2, 3, 4, 5};`

```
for (int x : arr)
{
    System.out.println(x);
}
```

6. What is the difference between an array and an arraylist?

Answer: Array is of fixed size whereas size of the arraylist is dynamic

7. Is string a data type in JAVA? If not, then what is it?

Answer: Class

8. What is the purpose of a constructor?

Answer: To initialize the objects

9. What data types can be used with a switch statement?

Answer: int, char

10. What will be the output for the following code:

```
1  class AreaException
2  {
3      public static void main(String[] args)
4      {
5          try
6          {
7              int length = -10; int breadth = 30;
8
9              if (length < 0 | breadth < 0)
10             {
11                 throw new ArithmeticException();
12             }
13             int area = length * breadth;
14             System.out.println("Area is: " + area);
15         }
16
17         catch (ArithmeticException e)
18         {
19             System.out.println("The length and breadth cannot be negative");
20         }
21     }
22 }
23 }
```

Answer: The length and breadth cannot be negative