

### NPTEL Online Certification Courses

## Indian Institute of Technology Kharagpur



NOC25-CS57 (JAN-2025 25S)

#### **PROGRAMMING IN JAVA**

## **Assignment 12**

TYPE OF QUESTION: MCQ

Number of questions:  $10 \times 1 = 10$ 

#### **QUESTION 1:**

What is the correct way to create a thread in Java?

- a. Implementing the Runnable interface
- b. Extending the Thread class
- c. Both A and B
- d. None of the above

#### **Correct Answer:**

c. Both A and B

#### **Detailed Solution:**

In Java, a thread can be created either by extending the Thread class or by implementing the Runnable interface.





## **QUESTION 2:**

Which	method	starts	a th	read	in .	Java?

- a. start()
- b. run()
- c. execute()
- d. init()

#### **Correct Answer:**

a. Start()

#### **Detailed Solution:**

The start() method is used to begin execution of a new thread.





## **QUESTION 3:**



- a. GridLayout
- b. FlowLayout
- c. BorderLayout
- d. CardLayout

#### **Correct Answer:**

b. FlowLayout

#### **Detailed Solution:**

 ${\tt FlowLayout} \ arranges \ components \ in \ a \ row, \ in \ the \ order \ they \ are \ added.$ 





### **QUESTION 4:**

What does the setSize(400, 300); method do in a JFrame?

- a. Sets the width to 300 and height to 400
- b. Sets the width to 400 and height to 300
- c. Maximizes the Jframe
- d. Closes the Jframe

#### **Correct Answer:**

b. Sets the width to 400 and height to 300

#### **Detailed Solution:**

The setSize (width, height) method sets the size of the JFrame, where 400 is the width and 300 is the height.





### **QUESTION 5:**

What does the ResultSet object contain in JDBC?

- a. Only non-null records from a table
- b. All records from a table, including null values
- c. Only null records
- d. A single column from a table

#### **Correct Answer:**

**b.** The ResultSet object contains all records, including those with null values.

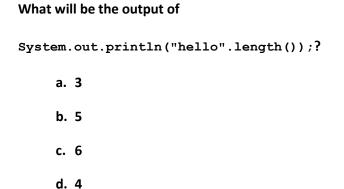
#### **Detailed Solution:**

The ResultSet object contains all records from the table, including those with null values.





## **QUESTION 6:**



#### **Correct Answer:**

b. 5

#### **Detailed Solution:**

The length() method returns the number of characters in a string. "hello" has 5 characters.





## **QUESTION 7:**

- a. int arr = new int(5);
- b. int[] arr = new int[5];
- c. array arr = new int[5];
- d. int arr[] = new int();

#### **Correct Answer:**

b. int[] arr = new int[5];

#### **Detailed Solution:**

In Java, an array is declared using int[] arr = new int[5]; where 5 is the size.





## **QUESTION 8:**

What will be printed by the following code?

System.ou	<pre>t.println("Java".charAt(1));</pre>
a. J	
b. a	
c. v	
d. A	
Correct Answer:	
b. a	
Detailed Solution	ո։
Indexing in Java sta	arts from 0, so charAt (1) returns the second character, which is a.





### **QUESTION 9:**

What is printed when this code runs?

```
try {
    System.out.println("Try block");
} finally {
    System.out.println("Finally block");
}
```

- a. Only "Try block"
- b. Only "Finally block"
- c. "Try block" followed by "Finally block"
- d. Compilation error

#### **Correct Answer:**

c. "Try block" followed by "Finally block"

#### **Detailed Solution:**

The finally block always executes, even if no exception occurs.





## **QUESTION 10:**

- a. AWT
- b. Swing
- c. Both A and B
- d. None

#### **Correct Answer:**

b. Swing

#### **Detailed Solution:**

Swing is a lightweight GUI framework compared to AWT, which is heavyweight.