



MKOnlineClasses

JAVA MCQ Questions [Placements Training]

①

```
public class Example
{
    public static void main(String args[])
    {
        String str = "IIT_Madras.";
        System.out.println(str.substring(4,10));
    }
}
```

- ☐ _Madras
- ☐ _Madra
- ☐ Madras.
- ☐ Madras

○ → single correct
□ → multiple correct =

②

```
class A{
    final int a;
    final int b;

    public void show() {
        System.out.println("First number: " + a);
        System.out.println("Second number: " + a);
    }
    public static void main(String[] args) {
        A obj = new A();
        A.show();
    }
}
```

What will be the output of the above program?

- ☐ First Number: 0
Second Number: 0
- ☐ None
None
- ☐ Compilation Error
- ☐ First Number: Null
Second Number: Null

③

```
class ForEx
{
    public static void main(String[] args)
    {
        for (int i=0;i>0 ;i++)
        {
            System.out.println("Hello World!");
        }
    }
}
```

- ☐ Compilation error
- ☐ 1010
- ☐ Printing Hello World! enters an infinite loop.
- ☐ Nothing will be printed.

4) Which of the following statements is/are control flow statements in Java?

- ☐ Selection statements
- ☐ Iterative statements
- ☐ Jumping statements
- ☐ All of the above

5) Which of the following is/are part of for loop syntax in Java?

- ☐ Initialization
- ☐ Condition
- ☐ Update
- ☐ All of the above

6) Based on the code given below, select the option(s) that print the elements of array arr.

```
class PrintArr
{
    public static void main(String[] args)
    {
        int arr[]={10,20,30,40,50,60};
        //Line 6
        //Line 7
        //Line 8
        //Line 9
    }
}
```

☐ for (int i=0;i<arr.length;i++)
{
 System.out.println(arr[i]);
}

☐ for (int i:arr)
{
 System.out.println(i);
}

☐ while (Integer i:arr)
{
 System.out.println(i);
}

☐ while (int i:arr)
{
 System.out.println(i);
}

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```
class WhileEx
{
    public static void main(String[] args)
    {
        int number = 5;
        int fact = 1, i = 1;
        while(i<number)
        {
            fact=fact*i;
            i++;
        }
        System.out.println(fact);
    }
}
```

☐ Compilation fails due to error in line no 7.

☐ 120

☐ 24

☐ 1

8

```
class NestedFor
{
    public static void main(String[] args)
    {
        for (int i=0;i<=3 ; i++)
        {
            for (int j=0;j<=3 ;j++)
            {
                if(j==1)
                {
                    System.out.println();
                    break;
                }
                System.out.print(i);
            }
        }
    }
}
```

- ☐ Generates no output
- ☐ Compilation fails

- ☐ 0
- ☐ 1
- ☐ 2
- ☐ 3
- ☐ 00
- ☐ 11
- ☐ 22
- ☐ 33

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```
class BreakEx1
{
    public static void main(String[] args)
    {
        for (int k=0; k <= 10; k++)
        {
            System.out.print(k);
            if(k==0)
                break;
        }
    }
}
```

- ☐ Generates no output
- ☐ Compilation error
- ☐ 0
- ☐ Prints the numbers from 0 to 9 as output.

10) Consider the Java code given below and predict the output.

1,

```
public class Example
{
    public static void main(String args[])
    {
        String Institute="IIT Madras";
        System.out.println(Institute.length());
    }
}
```

- ☐ 10
- ☐ 9
- ☐ 8
- ☐ Compilation error. It should be Institute.length and not Institute.length().

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```
class Continue
{
    public static void main(String[] args)
    {
        for (int i=0; i<=3; i++)
        {
            for (int j=0;j<=3 ;j++)
            {
                if(j==1)
                {
                    System.out.println();
                    continue;
                }
                System.out.print(i);
            }
        }
    }
}
```

- ☐ Generates no output
- ☐ Compilation fails

- ☐ 0
- ☐ 1
- ☐ 2
- ☐ 3
- ☐ 0
- ☐ 001
- ☐ 112
- ☐ 223
- ☐ 33

(12)

```
public class Example
{
    public static void main(String args[]) {
        int [] numbers = new int[]{1, 2, 3, 4, 5};

        for(int BSC : numbers)
        {
            if( BSC == 4 )
            {
                break;
            }
            System.out.println(BSC);
        }
    }
}
```

☐ BSC

1

☐ 2
3

1

☐ 2
3
4

☐ This program will generate an error because Strings in Java should be double quoted.

(13)

```
public class Example
{
    public static void main(String[] args)
    {
        if(true && true || true && false)
        {
            System.out.println("True");
        }
        else
        {
            System.out.println("False");
        }
    }
}
```

☐ True

☐ False

☐ True
False

☐ Error

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- | | |
|--|---------------|
| A. Conditional execution
(Single branching) | I. for |
| B. Conditional loops | II. switch |
| C. Iteration | III. while |
| D. Multiway branching | IV. if...else |

- ☐ A-II, B-III, C-IV, D-I
- ☐ A-I, B-IV, C-III, D-II
- ☐ A-IV, B-I, C-III, D-II
- ☐ A-IV, B-III, C-I, D-II

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15) The statement for creating an object of the class IIT.

- ☐ IIT student = new student();
- ☐ IIT obj = new obj();
- ☐ IIT student = new IIT();
- ☐ All of them.

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16) Which of the following methods is not defined in Scanner class?

- ☐ nextInt()
- ☐ nextFloat()
- ☐ nextString()
- ☐ next()

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17) Which of the following ways we can create an object for Scanner class?

- ☐ Scanner scanner=new Scanner(Scanner.in);
- ☐ Scanner scanner=new Scanner(System.in);
- ☐ Scanner scanner=new Scanner();
- ☐ Scanner scanner=System.scanner();

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18) From among the given options, select the codes that call the show() method correctly from inside the main() method.

2 points

```
class BoxEx
{
    void show()
    {
        System.out.println("This is a box");
    }
    public static void main(String[] args)
    {
        //Hidden code
    }
}
```

- ☐ new BoxEx().show();
- ☐ BoxEx box; box.show();
- ☐ BoxEx box=new BoxEx(); box.show();
- ☐ BoxEx box; box=new BoxEx(); box.show();

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```
public class Demo
{
    public static void main(String args[])
    {
        int x=10;
        int y=20;
        y+=x;
        System.out.println(y);
    }
}
```

what will be the output?

- ☐ compilation failed.
- ☐ 10
- ☐ 20
- ☐ 30

20) What is the output of the following Java code?

```
public class Example {  
    public static void main(String[] args) {  
        System.out.println("Addition of 10 and 20 is " + 10 + 20);  
    }  
}
```

- ☐ Addition of 10 and 20 is 30
- ☐ Addition of 10 and 20 is 1020
- ☐ "Addition of 10 and 20 is " + 10 + 20
- ☐ Error

21) What is the output of the following Java code?

```
public class FClass{  
    public static void main(String[] args) {  
        int[] a = {1, 2, 3};  
        int[] b = a;  
        System.out.print(a == b);  
    }  
}
```

- ☐ a == b
- ☐ false
- ☐ true
- ☐ {1, 2, 3} == {1, 2, 3}

22)

```
class FClass{  
    public static void main(String[] args) {  
        int i1 = 10, i2 = 29;  
        double d;  
        d = i1 / i2 * i2;  
        System.out.print(d + " ");  
        d = i2 * i1 / i2;  
        System.out.print(d + " ");  
    }  
}
```

What will be the output?

- ☐ 0.0 0.0
- ☐ 10.0 10.0
- ☐ 10.0 0.0
- ☐ 0.0 10.0

23

```
class StringExample {  
    public static void main(String[] args) {  
        String str = "we are here to learn java";  
        String str1 = "";  
        char[] ch = {'a', 'e', 'i', 'o', 'u'};  
        for(char c : ch){  
            for (int i = 0; i < str.length(); i++){  
                if (str.charAt(i) == c){  
                    str1 += c;  
                }  
            }  
        }  
    }  
}
```

What will be the value of str1 at the end of execution?

- ☐ "eaeoeoeaaa"
- ☐ "wrhrtlnjv"
- ☐ "aaaaaeoeoeo"
- ☐ "aeiou"

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```
import java.util.Scanner;  
class SwitchEx  
{  
    public static void main(String[] args)  
    {  
        Scanner sc=new Scanner(System.in);  
        System.out.println("Please enter the any ASIA cricket team");  
        String country=sc.next();  
        switch(country)  
        {  
            case "India":  
                System.out.println("Delhi is capital of "+country);  
            case "SriLanka":  
                System.out.println("Colombo is capital of "+country);  
            default:  
                System.out.println("Please enter valid country name:");  
                break;  
        }  
    }  
}
```

If we provide SriLanka as the input to the program, what will be the output?

- ☐ Compilation fails.
- ☐ Delhi is capital of India.
- ☐ Delhi is capital of India. Colombo is capital of SriLanka.
Please enter valid country name:
- ☐ Colombo is capital of SriLanka
Please enter valid country name:

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```
class ForComma
{
    public static void main(String[] args)
    {
        int j=20;
        for (int i=10;i<j ;i++,j--) //LINE-1
        {
            System.out.println("Hello World!");
        }
    }
}
```

Choose the correct option regarding the given code.

- ☐ Compilation fails due to error at LINE-1.
- ☐ Hello World! printed 9 times.
- ☐ Hello World! printed 5 times.
- ☐ Hello World! printed until stack overflow.

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```
class ForEx
{
    public static void main(String[] args)
    {
        for (;;)
        {
            System.out.println("Hello World!");
        }
    }
}
```

Choose the correct option regarding the given code.

- ☐ The code generates a compilation error.
- ☐ The code generates a run time error.
- ☐ Hello World! would be printed forever.
- ☐ Nothing will be printed.

27

```
public class Demo
{
    public static void main(String args[])
    {
        int x=10;
        int y=20;
        y+=x;
        System.out.println(y);
    }
}
```

what will be the output?

- ☐ compilation failed.
- ☐ 10
- ☐ 20
- ☐ 30

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```
class Employee
{
    int eid;
    String ename;
    String eprojects[];

    public Employee(Employee e)
    {
        this.eid = e.eid;
        this.ename = e.ename;
        this.eprojects = e.eprojects;
    }
    public Employee(int id, String name, String[] projects)
    {
        this.eid = id;
        this.ename = name;
        this.eprojects = projects;
    }
    public void display()
    {
        System.out.println("eid: "+eid);
        System.out.println("ename: "+ename);
        System.out.println("eprojetcs: ");
        for(String s : eprojects){
            System.out.println(s);
        }
    }
}
```

```
public void mutator()
{
    this.ename = this.ename + "__IITM";
    this.eprojects[0] = "P6";
}
}
public class FClass
{
    public static void main(String[] args)
    {

        String arr[] = {"P1","P2"};
        Employee e1 = new Employee(12,"Alex",arr);
        Employee e2 = new Employee(e1);
        e1.mutator();
        e1.display();
        e2.display();
    }
}
```

- ☐ This program results in a compilation error.

eid: 12
ename: Alex__IITM
eprojetcs:

P6

P2

eid: 12

ename: Alex__IITM

eprojetcs:

P6

P2

eid: 12

ename: Alex__IITM

eprojetcs:

P6

P2

eid: 12

ename: Alex

eprojetcs:

P1

P2

eid: 12

ename: Alex__IITM

eprojetcs:

P6

P2

eid: 12

ename: Alex

eprojetcs:

P6

P2