

a colon (:) symbols are known as ternary operators.

Q.7) Java programs: Any five programs using method calling and any five programs using looping.

By Method Calling

①

```
class Example1
{
    static void show()
    {
        System.out.println("Static");
    }
}

public class run
{
public class run
{
```

```
static void demo()  
{  
    Example1.show();  
}  
}
```

```
(2) class Sample2  
{  
    static void show()  
    {  
        System.out.println("Static");  
    }  
    static void demo()  
    {  
        show();  
    }  
}
```

```
(3) class Sample3  
{  
    static void show()  
    {  
        System.out.println("static");  
    }  
    void demo()  
    {  
        show();  
    }  
}
```

```
④ class Sample4
{
    static void show()
    {
        System.out.println("static");
    }
}

public class Run
{
    void demo()
    {
        Sample4.show();
    }
}
```

```
⑤ class Sample5
{
    void show()
    {
        System.out.println("Non-Static");
    }
    void demo()
    {
        show();
    }
}
```

By Looping

①

```

class ForLoopExample
{
    void display
    public static void main (String args[])
    {
        for (int i=10; i>1; i--){
            System.out.println("The value of i is: "+i);
        }
    }
}

```

②

```

class LoopExample
{
    void display()
    public static void main (String args[])
    {
        for (int i=1; i<=4; i++)
        {
            for (int j=4; j>=i; j--)
            {
                System.out.print(j+" ");
            }
            System.out.println();
        }
    }
}

```

③

```

class LoopExample
{
    void display
    public static void main (String args[])
    {
        for (int i=1; i<=5; i++)

```

```
System.out.println("Hello World");
```

```
}
```

```
}
```

④ class forLoopDemo

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

```
        int sum = 0;
```

```
        for (int x = 1; x <= 20; x++)  
        {
```

```
            sum = sum + x;
```

```
        }
```

```
        System.out.println("Sum: " + sum);
```

```
    }
```

```
}
```

⑤ class whileLoopDemo

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

```
        int x = 1;
```

```
        while (x <= 4)
```

```
        {
```

```
            System.out.println("Value of x: " + x);
```

```
            x++;
```

```
        }
```

```
    }
```

```
}
```