

School of Computer Science Engineering and Technology

Course- BTech

Course Code- CSET109

Year- First

Type- Core

Course Name- Object Oriented Programming Using Java

Semester- Even Batch- BTech 2nd Semester

Tutorial-2

Tutorial No.	Name	CO1	CO2	CO3
2	Basics	✓	--	--

Objective: The main objective of this tutorial is to learn about the basics of Java language.

2.1 What would be the output of the following code snippet if variable a=10?

```
if(a<=0)
{
    if(a==0)
    {
        System.out.println("1 ");
    }
    else
    {
        System.out.println("2 ");
    }
}
System.out.println("3 ");
```

2.2 What will be the result of compiling and executing the below the code?

```
public class WrapDemo3
{
    public static void main(String[] args)
    {
        String s1="true";
        boolean b1=Boolean.parseBoolean(s1.trim());
        System.out.println(b1);
        String s2="false";
        boolean b2=Boolean.parseBoolean(s2.trim());
        System.out.println(b2);
        String s3="false or true";
        boolean b3=Boolean.parseBoolean(s3.trim());
        System.out.println(b3);
    }
}
```

2.3. What will be the result of compiling and executing the below the code?

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```
package com.softwaretestingo.java.wrapperclasses;
public class WrapDemo3
{
    public static void main(String args[])
    {
        String s2="130";
        Byte b1=new Byte(s2);
        System.out.println(b1);
    }
}
```

2.4 What will be the output of code?

```
public class WrapDemo
{
    public static void main(String[] args)
    {
        int i1=10;
        System.out.println("\t"+i1);
        Integer i2=new Integer(10);
        System.out.print("\t" +i2);
        if(i1==i2)
        {
            System.out.print("\t i1 and i2 are same");
        }
        else
        {
            System.out.print("\t i1 and i2 are not same");
        }
    }
}
```

2.5 What is the output of the below code?

```
public class WrapDemo2
{
    public static void main(String args[])
    {
        String s1="135";
        Integer i1=new Integer(s1);
        Integer i2=new Integer(s1);
        System.out.println(i1.hashCode());
        System.out.println(i2.hashCode());
        System.out.println(i1==i2);
    }
}
```

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2.6 What will be the output of the following Java program?

```
class selection_statements
{
    public static void main(String args[])
    {
        int var1 = 5;
        int var2 = 6;
        if ((var2 = 1) == var1)
            System.out.print(var2);
        else
            System.out.print(++var2);
    }
}
```

2.7 What will be the output of the following Java program?

```
class comma_operator
{
    public static void main(String args[])
    {
        int sum = 0;
        for (int i = 0, j = 0; i < 5 & j < 5; ++i, j = i + 1)
            sum += i;
        System.out.println(sum);
    }
}
```

2.8 What will be the output of the following Java program?

```
class jump_statments
{
    public static void main(String args[])
    {
        int x = 2;
        int y = 0;
        for ( ; y < 10; ++y)
        {
            if (y % x == 0)
                continue;
            else if (y == 8)
                break;
            else
                System.out.print(y + " ");
        }
    }
}
```

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2.9 What will be the output of the following Java program?

```
class Output
{
    public static void main(String args[])
    {
        final int a=10,b=20;
        while(a<b)
        {

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

2.10 What will be the output of the following Java program?

```
class Output
{
    public static void main(String args[])
    {
        int a = 5;
        int b = 10;
        first:
        {
            second:
            {
                third:
                {
                    if (a == b >> 1)
                        break second;
                }
                System.out.println(a);
            }
            System.out.println(b);
        }
    }
}
```