Course-BTech
Course Code- CSET
Year- First

Type- Core Course Name- **Object Oriented Programming Using Java** Semester- Even Batch- BTech 2nd Semester

Tutorial-4

Tutorial No.	Name	CO1	CO2	CO3
1	Basics	✓	-	

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

```
4.1 What will be the Output of the below code:
public class Array
       public static void main(String args[])
               int []arr = \{1,2,3,4,5\};
               System.out.println(arr[5]);
}
4.2 What will be the Output of the below code:
class Test1 {
public static void main(String[] args)
               int arr[] = \{11, 22, 33\};
               for (int i = 0; i < arr.length; i++)
                       System.out.print(arr[i] + " ");
               System.out.println();
               int arr2[] = new int[3];
               arr2[] = \{ 11, 22, 33 \};
               for (int i = 0; i < arr2.length; i++)
                       System.out.print(arr2[i] + " ");
       }
}
4.3. What will be the output of the following program?
class Test1 {
       int x = 10;
public static void main(String[] args)
               Test1 t1 = new Test1();
```

```
System.out.println(t1.x);
        static
        {
                int x = 20;
                System.out.print(x + " ");
        }
4.4. What is the result of the following code?
class Test {
        static int i = 1;
public static void main(String[] args)
                for (int i = 1; i < 10; i++) {
                        i = i + 2;
                        System.out.print(i + " ");
                }
        }
}
4.5 What is the output of following code?
class Test {
final int x = 10;
int y=10;
void my(){
y=21;
System.out.println(x+" "+ ++y);
public static void main(String[] args)
Test t1 = new Test();
t1.my();
4.6 What will be the output of following code?
class Test {
final static int x;
static {
x=21;
public static void main(String[] args){
System.out.println(x);
```

4.7 What would be the result of the following code?

```
class Test
  static int a;
  static
     a = 4;
     System.out.println ("inside static block");
     System.out.println ("a = " + a);
  Test()
     System.out.println ("inside constructor");
     a = 10;
  public static void func()
     a = a + 1;
     System.out.println ("a = " + a);
  public static void main(String[] args)
     Test obj = new Test();
     obj.func();
}
4.8 What will be the output of the following program?
class Profile {
private Profile(int w) {
System.out.println(w);
public static Profile() {
System.out.println(10);
class Test {
public static void main(String args[]) {
Profile p1 = new Profile(50);
}
4.9 What will be the Output of the below code:
class Test {
Test(){
static void Test() {
this();
```

```
public static void main(String args[]) {
Test();
}
4.10 What will be the Output of the below code:
final class Complex {
private double re, im;
public Complex(double re, double im) {
this.re = re;
this.im = im;
Complex (Complex c)
System.out.println("Copy constructor called");
re = c.re;
im = c.im;
public String toString() {
return "(" + re + " + " + im + "i)";
class Test {
public static void main(String[] args) {
Complex c1 = new Complex(10, 15);
Complex c2 = new Complex(c1);
Complex c3 = c1;
System.out.println(c2);
```