JAVA ASSIGNMENT

LAB=”6”

1.Write a Java program that displays area of different Figures (Rectangle,Square,Triangle) using the method overloading.

**ANS**

**class** Java

{

**void** area(**float** x)

{

System.out.println("the area of the square is "+Math.pow(x, 2)+" sq units");

}

**void** area(**float** x, **float** y)

{

System.out.println("the area of the rectangle is "+x\*y+" sq units");

}

**void** area(**double** x)

{

**double** z = 3.14 \* x \* x;

System.out.println("the area of the circle is "+z+" sq units")

}

}

**class** Java

{

**public** **static** **void** main(String args[])

{

OverloadDemo ob = **new** OverloadDemo();

ob.area(5);

ob.area(11,12);

ob.area(2.5);

}

}

2.

**public** **class** Objects

{

**static** **int** count=0;

Number\_Objects()

{

count++;

}

**public** **static** **void** main(String[] args)

{

Number\_Objects obj1 = **new** Number\_Objects();

Number\_Objects obj2 = **new** Number\_Objects();

Number\_Objects obj3 = **new** Number\_Objects();

Number\_Objects obj4 = **new** Number\_Objects();

System.out.println("Number of objects created:"+count);

}

}

3.