Labprogram5_Execution (03/11/2020)

Q.1) ABSTRACT CLASS SHAPE

```
import java.util.Scanner;
abstract class shape{
    double diml,dim2;
    shape(double a, double b) {
        dim1 =a;
        dim2 =b;
    }
    abstract double printarea();
}

class rectangle extends shape {
    rectangle(double a, double b) {
        super(a,b);
}

    double printarea() {
        System.out.print("AREA OF RECTANGLE :");
        return diml * dim2;
    }
}

class triangle extends shape {
        triangle(double a, double b) {
            super(a,b);
    }

    double printarea() {
            System.out.print("AREA OF TRIANGLE :");
            return dim1 * dim2/2.0;
    }
}
```

```
class circle extends shape{
    circle(double a, double b) {
        super(a,b);
    }
    double printarea(){
            System.out.print("AREA OF CIRCLE :");
            return (3.14*(dim1*dim1));
        }
}

class shapeMain{
    public static void main(String ss[]) {
            rectangle r = new rectangle(10,10);
            circle c = new circle(10,0);
            triangle t = new triangle(10,10);

            System.out.println(" "+r.printarea());
            System.out.println(" "+c.printarea());
            System.out.println(" "+t.printarea());
            System.out.println(" "+t.printarea());
        }
}
```

Q.2) BANK ACCOUNT

```
import java.util.Scanner;
class bank{
    String bankname;
}

class account1 extends bank{
    Scanner sc = new Scanner(System.in);
    String name,acctype;
    double accnum;
    double saccnum,caccnum;
    double ci;
```

```
void setd() {
```

```
void setd2() {
        System.out.println("SERVICE CHARGE OF"+penalty+" is
        System.out.println("INVALID AMOUNT IN BANK");
    s.setd1();
```