LAB PROGRAM 5 :-

```
import java.util.Scanner;
abstract class Account
{
    String name;
    int accno;
    String type;
    Scanner sc = new Scanner(System.in);
}
class Curr_acct extends Account
{
    double amt = 0.0;
    int d;
    void accept()
    {
    System.out.println("enter name & deposit amt");
    name = sc.nextLine();
    d = sc.nextInt();
    amt = amt + d;
    }
    Void display()
{
    System.out.println("name: " + name);
    System.out.println("current balance: " + amt);
}
```

```
    void checkmin()
{
    if (amt < 200.0)
    {
        System.out.println("Below minimal balance,
                    will be charged penalty");
        amt = amt - (amt * 16.0/100);
        System.out.println("current balance="
                    +amt);
    }
}
}
class Sav_act extends Account
{
    double amt = 0.0;
    int d,w,p,r,t;
    double ci = 0.0;
    void accept()
    {
        System.out.println("enter name & deposit amt");
        name = sc.nextLine();
        d = sc.nextInt();
        amt = amt + d;
    }
    void display()
    {
        System.out.println("name : " + name);
        System.out.println("current balance = " + amt);
    }
    void interest()
    {
        System.out.println("enter principal amt");
        p = sc.nextInt();
```

```
        System.out.println("Enter rate & time in yrs");
        r = sc.nextInt();
        t = sc.nextInt();
        ci = ci + p * Math.pow((1+r/100.0),t);
        System.out.println("compound interest = "+ci);
    }
    void withdraw()
    {
        System.out.println("enter cash to withdraw");
        w = sc.nextInt();
        amt = amt - w;
        System.out.println("current balance after
                            withdrawal = "+amt);
    }
}

class labprog5ff
{
    public static void main(String args[])
    {
        System.out.println("enter choice 1: account or
                            2: savings account");
        int ch;
        Scanner sc = new Scanner(System.in);
        ch = sc.nextInt();
        if (ch==1)
        {
            curr_acct c = new curr_acct();
            c.accept();
            c.display();
            c.checkmin();
        }
        else if (ch==2)
```

```
{
    Sav_act s = new Sav_act();
    s.accept();
    s.display();
    s.interest();
    s.withdraw();
}
else
System.out.println("wrong choice");
}
}
```