# Lab 5

```
import java.util.*;

class Bank
{
    String name;
    int accno;
    char type;
    float bal, minb;

    void Bank()
    { accno=0; bal=0; minb=0;
      type = 'S';
      name= null;
    }
}

class Account extends Bank
{
    void displaybal()
    {
        System.out.println("Balance : "+bal);
    }
    void deposit(float d)
    {   bal+=d;
        System.out.println("Deposited! Bal: "+bal);
    }
    void withdraw(float a)
    {
        if (a>bal)
        {  System.out.println("Insufficient funds");
        }
```

```
else
{
    bal -= a;
    System.out.println("Withdrawn! bal: "+bal);
}
}
}

class Savacc extends Account
{
    void intrest()
    { float intr = bal*5/100;
    System.out.println("Intrest is "+intr);
    deposit(intr);
    }
}
class curracc extends Account
{
    void minbal()
    {
        if(b< minb)
        {
            System.out.println("Penalty!");
            bal -= 50;
        }
        else
            System.out.println("No penalty");
    }
}
```

```
class banking
{
    public static void main (String args[])
    {
        Scanner sc = new scanner (System.in);
        System.out.println ("\t\t Welcome \n \t
                1] Savings 2] Current ");
        int ch = sc.nextInt();
        switch (ch)
        {
            case 1 : save();
                     break;
            case 2 : cur();
                     break;
            default :
                System.out.println ("Savings is selected ");
        }
    }
}

static void cur()
{
    Savacc c = new Savacc();
    int ch = 10;
    Scanner sc = new scanner (System.in);
    System.out.println ("Enter name & acc. no ");
    c.name = sc.nextLine();
    c.accno = sc.nextInt();
    while (ch != 5)
    {
    System.out.println ("1] Deposit 2] Withdraw
                3] Interest 4] Balance 5] Exit ");
    ch = sc.nextInt();
```

```
switch (ch)
{
    case 1 : System.out.println("Enter the amount
to be deposited: ");
    float a = sc.nextFloat();
     c.deposit(a);
     break;

    case 2: System.out.println("Enter amount to
        be withdrawn");
        a = sc.nextFloat();
         c.withdraw(a);
         break;

    case 3: c.interest();
         break;
    case 4: c.display();
    }
}
static void usr()
{
    Usr acc c = new Usr acc();
    int ch = 10;
    Scanner sc = new Scanner(System.in);
    System.out.println("1] Deposit 2] Withdraw
     3] Min. Balance 4] Balance 5] Exit");
    ch = sc.nextInt();
    switch("ch != 5)
    {
        case 1 : System.out.println("Enter the
            amount to bet deposited");
        float a = sc.nextFloat();
```

```
        c.deposit(a); break;
case 2: c.withdraw();
        break;
case 3: c.min bal();
break
case 4: c.display bal();
}
}
}
}
```