```
class
      Mea Main ?
                                                    Ach & Popular
   public static
                  void main (String ays CI) {
         int i;
                    SS = new Scanner ( System in );
          Savvier
           do E
                System.out. print ("In 1. Rectangle In 2. Triangle In 3. Circle
                                    In 4 Exit In Enter Your choice: ")
                i = Ss. next Int ();
                 if (1==1) {
                      Reclargle r = new Rectangle (C)
                       r. printArea (). Januario con 200
                else if (i==2) f
                       Triangle t= new Triangle()
                       (t. print thea ();
                   else if (1==3) {
                         Circle c= new Circle () () betties
c. print Asea ().
                                       ورزا و رو ويعرفه الحاجدا () [
                    7
                    else. if (i == 4)

else. if (i == 4)

(langifeak; woolod") him, has woolod?
                        System. out. printly ("Enter Valid Choice!!")
                   else
                3 while (1>0); = wels ? ) bing to rohy?
                              it wast, realize two stars
                                                 I levely diev
                                   first pour deaths in the
                                 Sylv out prist (" 1 to
                il : Padomi sang
                                     pre- - s modelited ()
               in a bed " Math pan ( (1+(Paylos)), 4)
                  System out friend "Deposit Interest
```

```
ShapeArea.java 🖴
  import java.util.Scanner;
  abstract class Shape{
      float a,b;
      abstract void printArea();
      Scanner ss=new Scanner(System.in);
8 class Rectangle extends Shape{
      void printArea(){
            System.out.print("Enter Length:");
           a=ss.nextFloat();
           System.out.print("Enter Breadth:");
           b=ss.nextFloat();
           System.out.print("Area of Rectangle is "+(a*b)+"\n");
16}
17 class Triangle extends Shape{
18    void printArea(){
19         System.out.print("Ent
          System.out.print("Enter Base Length:");
System.out.print("Enter Height:");
           System.out.print("Area of Triangle is "+(0.5*(a*b))+"\n");
           System.out.print("Enter Radius:");
           a=ss.nextFloat();
           System.out.print("Area of Circle is "+(3.14*a*a)+"\n");
32}
33class AreaMain{
      public static void main(String args[]){
           int i;
          Scanner ss=new Scanner(System.in);
               System.out.print("\n1.Rectangle\n2.Triangle\n3.Circle\n4.Exit\nEnter Your Choice:");
               i=ss.nextInt();
               if(i==1){
                   Rectangle r=new Rectangle();
                   r.printArea();
               else if(i==2){
                   Triangle t=new Triangle();
                   t.printArea();
               else if(i==3){
                   Circle c=new Circle();
                   c.printArea();
               else if(i==4)
                    break;
               else{
                   System.out.println("Enter Valid Choice!!");
           }while(i>0);
```

Process finished.

```
1BM19 (3090
                     3/11/20
 Lab 5 Program;
                            Mohammed Ibration Ration
cocle:
import java wil Scanner;
class Account (
    char t;
     int ano;
     float bal = 0, wit = 0;
     Scarner SS = new Scanner (System in);
     void dep () {
       System out print ("Finter Amount to be Deposited:");
       bal = ss. next Float ();
       System. out. print ("Balance = " + bal);
        System.out. prind ("Enter Amount to be withdrawn: ");
     void withd () {
         wit = ss. next float ();
         bal= wit;
        System. out-print ("Balance = "+ bal);
    31.93.
    void bal Of
         System-out. print ("Balance = " + bal);
z
        sav-acet extends Account (
does
     void interest () {
        float por; double in; int gr;
         System. out. print ("Enter Rate of Interest (1.1) and
                              years Invested: ");
         por = SS. next Float();
          yr = ss. next Int ();
          in = bal * Math. pow ((1+ (per/100)), yr),
         System.out. print ("Deposit Interest = " + in);
```

```
curre acct extends Account l
     wid pen () {
                                          (1-21) V 30/3
         if (bal (= 2000)
             bal - = 100)
             System.out. print ("In Penalty of 15: 100 levied");
              System. out. print ("In Balance = " + bal ); who
             System out print ("In Minimum Balance Maintained");
         else
      3 ( 1120 to talk the party to make
 class Bank Main
 4
                             main (String args (CJ)
     public static void
Scanner SS = new Scanner (System in)
           System out printin ("** Bank " ** ** )
           Account A = new Account ();
            System. out. print ("Enter Name!")
            A. on = 55. next ();
             System. out . print ("Enter Account No:");
                                      Jan.
             A and = SS next Int (); () Solling as
             System.out.print ("Enter" 5 for saving on
                                        c for Everent: ");
              A: = SS. nect (). charAt (o); = 1
              int i;
              f (A.t == 'S' 11 A.t == 1's':) f
                  Sav - acct sav = new sav - acct ();
                   do to return the most
                        System. out. print ("In In 1. Deposit In 2. Widthdraw
                                        In 3. View Balance
                                         In 4. Vein Deposit Interest
                                         In 5. Exit
                                         In Enter Choice:");
                          i = 65. next Int();
```

```
Ub (1==1)
            Sav. dep ();
       else 'y (1==2)
             sau. withd();
       else if (i == 3)
             saw, had ();
        de if (i = =4)
              sav interest ();
         else if (1==5)
               break ?
             System.out . print (" Enter Valid choice!!").
    3 while (iso);
if (Al == CIL Al == c) {
     corr_arct our = new ourr-occt ();
     do {
         System. out print ("In +1. Deposit In 2 widthdraw In 3. View Balon
                             In 4. Exit In Enter Choice: "]
          i = ss. next Ind ();
          if (i==1)
             cur. dep();
          else if (i==1) {
              cur &. withd ();
               cu , pen () :
           elee if (1==3)
                cur. bal ();
           else if (i== 4)
             break;
             System. out. print ("Enter Valid Choice!");
           else
```

```
\leftarrow
          t java.util.Scanner;
Account{
    String cn;
char t;
    int ano;
float bal=0,wit=0;
    Scanner ss=new Scanner(System.in); void dep(){
       System.out.print("Enter Amount to b
bal=ss.nextFloat();
System.out.print("Balance = "+bal);
     void withd(){
       System.out.print("Enter Amount to be Withdraw wit=ss.nextFloat(); bal-=wit;
       System.out.print("Balance = "+bal);
      /
/oid bal(){
    System.out.print("Balance = "+bal);
 class sav_acct extends Account{
  void interest(){
    float per;double in;int yr;
    System.out.print("Enter Rate of Interest(%) and years Invested:");
    per=ss.nextFloat();
       per=33.nextInt();
in=bal*Math.pow((1+(per/100)),yr);
System.out.print("Deposit Interest = "+in);
 System.out.print("\nPenalty of rs.100 levied");
System.out.print("\nBalance = "+bal);
           System.out.print("\nMinimum Balance Maintained");
      public static void main(String args[])
       {
Scanner ss=new Scanner(System.in);
ristlp("*****Rank*****");
       System.out.println("*****Bar
Account A=new Account();
System.out.print("Enter Name
       A.cn=ss.next();
System.out.print
        A.cn=ss.next();
System.out.print("Enter Account No:");
A.ano=ss.nextInt();
System.out.print("Enter S for Savings (
       System.out.print("Enter
A.t=ss.next().charAt(0);
        if(A.t=='S'||A.t=='s'){
  sav_acct sav=new sav_acct();
             System.out.print("\n\n1.Deposit\n2.Widthdraw\n3.View Balance\n4.View Deposit Interest\n5.Exit\nEnter Chi=ss.nextInt();
              if(i==1){
    sav.dep();
             }
else if(i==2){
sav.withd();
             }
else if(i==3){
sav.bal();
                sav.interest();
                 System.out.print("Enter Valid Choice!!");
        if(A.t == 'C'||A.t=='c'){
  curr_acct cur=new curr_acct();
              System.out.print("\n1.Deposit\n2.Widthdraw\n3.View Balance\n4.Exit\nEnter Choice:");
              i=ss.nextInt();
if(i==1){
   cur.dep();
            }
else if(i==2){
   cur.withd();
   cur.pen();
              else if(i==3){
  cur.bal();
              }
else if(i==4){
                 System.out.print("Enter Valid Choice!!");
```

Bank.java 🖴

```
× Terminal
****Bank****
Enter Name: Ahmed
Enter Account No:123456
Enter S for Savings or C for Current:S
1.Deposit
2.Widthdraw
3. View Balance
4. View Deposit Interest
5.Exit
Enter Choice:1
Enter Amount to be Deposited:5000
Balance = 5000.0
1.Deposit
2.Widthdraw
3. View Balance
4. View Deposit Interest
5.Exit
Enter Choice:2
Enter Amount to be Withdrawn:600
Balance = 4400.0
1.Deposit
2.Widthdraw
3. View Balance
4. View Deposit Interest
5.Exit
Enter Choice:3
Balance = 4400.0
1.Deposit
2.Widthdraw
3. View Balance
4. View Deposit Interest
5.Exit
Enter Choice:4
Enter Rate of Interest(%) and years Invested:4 2
Deposit Interest = 4759.039650878913
1.Deposit
2.Widthdraw
3. View Balance
4. View Deposit Interest
5.Exit
Enter Choice:5
Process finished.
```

```
1.Deposit
2.Widthdraw
3. View Balance
4.Exit
Enter Choice:1
Enter Amount to be Deposited:3000
Balance = 3000.0
1.Deposit
2.Widthdraw
3. View Balance
4.Exit
Enter Choice:2
Enter Amount to be Withdrawn: 1200
Balance = 1800.0
Penalty of rs.100 levied
Balance = 1700.0
1.Deposit
2.Widthdraw
3. View Balance
4.Exit
Enter Choice:3
Balance = 1700.0
1.Deposit
2.Widthdraw
3. View Balance
4.Exit
Enter Choice:5
Enter Valid Choice!!
1.Deposit
2.Widthdraw
3. View Balance
4.Exit
Enter Choice:4
Process finished.
```