Abstract class of Shapes abstract class shape; private int a 6; void set shape (intx, int y) int get a () return a; int getb() abstract public void print area (); class rectangle extends shape private int area_rect; Set shape (x,y); public void print_area () area_rect = get a () * get b ();

'System.out. print (n (cG) Area of rectangle:"+ area_rect);

class triangle extends shape private double area - tri; triangle (intx, inty) set shape (x, y); public void print_areal System. out . print(n ("The area of triangle is: "tarea-tri) class circle extends shape private double area-circle; circle(inty) Set shape (0, y); public word print area-circle = ((3.14)* get b() * get b());
System.out. print(n. (b) Area of Circle is:"tarea-circle); public class week &a public static void main (string [Jargs) & Scanner XX= new Scannel (System in); System out print (n ("Enter the length of rectangle

system out, println ("Inter the breadth of soctangle"); b=xx. next Int(); rectargle r= new rectargle (a, b); 2. print_area (); System. out. print(n (" Enter the height of triangle:"); a=xx.next Int(); System out point (on (" Enter the base of triangle:"); b=xx, next Int (); triangle t = new triangle (a, b); System, out paint [n [" Enter the radius of circle!"), a= xx. nex+ Int() circle == new circle (a); C. Privat area ();

Savings Account and arrent account import jub util Scanner; private String name; private double account no; private char account type; private double balance; wid get data (char ch) Scanner XX = new Scanner (Systemain);
System. out. print ("Enter the name of the customer:"); name = xx. next (); XX. next Line System out print ("Enter the account number of customer:") account _no = xx. next Double () System out print (" Enter the balance of the customer: "); balance = xx. next Double (): account type = ch; soid update balance (double x) balance = balance + x; void updatebalance I (double x) balance = balance -x' double gotbalance () notion balance; void displaybalance (

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System.out. print(n/"The balance is: " + balance);
class Saving-Account extends Account &
private double interest-rate;
Saving-Account()
   Saving-Account()
 Scanner XX = new Scanner (System.in);
get data (°S°);
  System.out. print ("Enter the interest rate: ");
interest_rate=xx.next. Double. ();
 void getdefosit ()
   Scanner XX = new Scanner (System, in);
System. out print ("Enter the amount to be deposited:");
     double X = XX. next Double ();
   updatebalance (x);
 void compute interest ()
  double x = (get balance () * interest = rate)/100;
  updatebalance. (x);
System. out. plantln ("The computed intorest is: " +x);
 display balance ();
  void withdrawl ()
    System out print (" Enter the amount to be withdrawn:");
     Scanner XX = new Scanner (System. in);
     double x = xx, next Double ();
      , while (x>get balance ())
```

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System out println ("The amount withdrawn is more the
the balance entle again: ");

X= XX, next Double ();
update balance! (x);
 displaybalance();
Class Current-Account extends Account of
 private double min-balance;
  private int cheque book;
  Cursent - Account ()
  Scanner XX = new Scanner (Cystem in);
   getdata (°C');
 system out print ("totas the minimum balance: ");
 min-balance = xx. nextDouble ();
 voidgetdeforit ()
 Scanner XX = new Scanner (System.in);
System.out.phint ("Inter the amount to be defosited")
    double x = xx. next Double );
  update balance (x)
 void is uncheck ()
  Scanner XX = new Scanner (System. in);
 System out print ("Enter the amount of the check")
double x = xx. next Double ();
 if (x > (get balance ()-min-balance))
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System.out. println/"You have issued check of more than the minimum balance en you have been charged the penalty of 100 Supers"), update balance (100); update balance (x); displaybalance(); Joid withdrawl () System. out. print ("Enter the amount to be withdrawn "); Scanner XX = new Scanner (System: in); double x = xx. next Double (); while (x>(get balance. () -min -balance)) System out println (the appoint withdrawn is more than the balance enter again: "); X = XX. next Double); ufdate balance 1(x); displaybalance [); public class week 86 public static void main (storing args (]) Sanner imput = new Scanner (System.in); Char ch; System. out. print(n [" Enter the type of account you want (C/S); ");

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ch= input. next(), charAt(0);
if (ch= 5) | ch== 5)
  Saving-Account S= new Saving - Account ();
  int xal;
  while (x1 = 0)
  System. out. print In ["Enter O for exit:");

System. out. print In ["Enter I for defosit: ");

System. out. print In ["Enter 2 for balance enquiry: ");

System. out. print In ["Enter 3 to calculate interest: ");

System. out. print In ["Enter 4 for withdrawl: ");
   x=input. next Int ();
   if (X==0)
   else if (x ==1)
       S. displaybalance ();
         S. compute interest ();
        S. withdrawl ();
```

else Current_Account S = new Current_Account(). int x=1; while (x!=0) System. out. print (n ("Enter O for exit:"); System out print [" Enter I for deposit:"); System out print [n ["Enter 2 for palance enquiry:"] System. out. print In ("Enter 3 to apply for cheque; "). System. out. print In [" Enter 4 for withdrawd: "); x=input, next Int(); if (x==0) break; else if (x==1) S. getdeposit(); else if (x==2) s. dis play balance (); else if (x==3)sissue check (); Pelse if (x==4)s. withdrawl ();