```
Week-8
abstract class Shape &
double dim (, dim à ; )
 Shape (double a double b) d
  dim & = b',
 abstract double printArea();
class Rectangle extends shape &
 Rectangle (double a , double b) &
   Super (a,b);
  double print Area () of
   System. out. printle
      return dimi * dima:
 class Triangle extends shaped
    Triangle (double a , double b) L
  } super (a, b);
    double printArea () d
      return dim 1 * dima 2;
  class Circle extends shaped
      circle (double a, double b) 2
```

Scanned with CamScanner

double print Area ()~ return dimi* dinna* dima; of syllass counts with class Shape Main & public static void main (string args[])d Rectangle &= new Rictangle (10, 20); Trisangle & = new Triangle (5,4); 11 12) Eircle (= new Eircle(3.142,2); Shape shaperef; - Chows = chows shaperef = r; System: out. println (" Area of rectangle: "+ shaperef . print Area) shaperef = t. Systemost. println(" tread triang (p: " & shaperef. print Arcol)); shapery = (; System. Out. println ("Area of circle:"+ shaperd. print Area()); busing bounded in the second of the second > (hua stock) lad bha biov

Scanned with CamScanner

```
of import java. util. Scanner;
 abstract class Account &
   String Name, accType;
   long accNo;
   double (balis parts) viens brow sitets silled
   final double minBal = 1000.0;
 Account (String Name, long accNo, double bal,
     string acclype)
     this acc No = acc No;
     this. chame = Mane;
     this bal = bal;
   this acclype = acctype;
  abstract void addBal (docble aut);
   abstract void dispbal ();
  abstract void withBal (double and);
  class (urr_acct extends Account of
     curr-acct (string Name, long accNo, double balk
     super (chame, accNo, bal, "Current");
     System. out. println ("name: "+ (Name + " ) tace no; "+accilo
             + " | + bal: " + bal + " ( + type: " + acetype);
    void addbal (double ant) <
      1 this. bal + = ant; }
```

```
> ( ) long ors how
void disp Bal () of
  System out println (" your Balance is: " + this. Bal);
void with Bal (double ant) ( )
   this bal -= amt; mo har property
   check Bal ();
void check Bal () of
  if (this bal & min Bal) { sou sitote sito
    wthis bal + = this bal $0.2%
class Sav_acct extends Accountd
  Sav-acet (String Name, long aceNo, double bal) {
  super ((Name, accNo, bal, "Savings");
 System. out. printh ("name:" + Name + "Itaccno:"
              + acc No + 1 tbal: + bal+
              It type: "+ acctype):
  Jule 1, "dorof" ) boo - 1 has ( 12)
  void add Bal (double amt) of my to
     this, bal + = amt;
     add Intr ();
  Void WARD add Intr ()d
     this, bal + = this. bal * 0.07;
```

```
void disp Bal () &
System out printhal "your Balance is & Athis bal).
 void with Bal (double amt)
   this bal = ant;
  ) construction of Dial Arida
 class Account Maind (1) 100 100 100 100
  public static void main (String[] args){
    Scanner scenew Scanner (System in);
   Double ant!
  int plag =0;
 while (flag = 20) \ abuston bors voz mo
 system.ot.printh("In 1. Corrent acc.
          ( ) savings acc. ");
   int ch = sc.nextInt();
    switch (ch) &
   cose 1:
  curr_act (=ncw (urr_act ("jacob", 1234567, 50000)
  System.out. println ("In Current_acctin");
   int flag 1:0;
   while (Jag1 = = 0) ( ) dall blo
 Sy stem. out. println ("1: Add ampt na: display Balance
                In 3: with draw);
     int chi = Schext Int();
    awitch (ch1) x
      case 1:
```

```
Case! System out printhn ("Enter and to be added"),
   amt = sc, next Double();
       ( add Bal (amt);
       break',
Common to Attom and about two onto I") all ming to mestage?
 cose 2: c. disp Bal (); lason homes home
         break'
 case 3: System. ot. println (" Enter omt tobe
                                   withdrawn ");
       amt = sc. next Double();
c. with Bal (amt);
       break',
    default:
   fag (=1',
 break;
 System out print In ("In Savings - acet (");
Sav-acità 3= new Sav-acit (Sean", 34567891, 4000);
int flag 2 =0;
while ( flag 2 == 0) {
System. oct. print(n("1: Add Bal In 2: display Bal In 3: withdraw");
 int ch 2 = x. next Int ();
 switch (cha) <
 case 1: System.out.printlm("Enter ant to be added:");
  amt - sc. next Double ();
   s. add Bal (ant);
   break;
```

```
case 2: 100 to the state of the sail of
   s. dispBal();
  break;
              2 ( Fort to The w
case 3:
  System.out.println (" Enter and to be with drawn!);
   ant = sc.next Double ();
   s. with Bul (ant);
   break;
defailt!
     flag d = 1',
 break :
 default;
```