```
First the base and helight of the trangle:
        10
        5.
        The area of the triangle is 25.0
         Enter the radius of the Circle:
           The area of the Circle is 314.0.
          Name: Shashidhar BM
            USN: 1BM22CS257.
 2/1/2023 Lab program 5.
Develop a Java program while has class Bant acount
and saving account which extends account
                                                standon Account toward Account Menter
Tealer,
  import jaile. util. *;
  class Account C manufacture in the comment of the c
                          String name;
                      int accno;
                           String type;
                           double balance;
                           Account (string name, but accno, string type,
                                                            double balance){
                                               this name = name;
                                                 this accno = accno;
                                                 the type = type;
                                               Hus balance = balance;
                                   void deposit(double amount) {
                                                   balance += amount;
```

```
void withdeaes (double amount)
                  H(Chalance-amount)>0){
         amount == amount;
               enter the radius gree diele:
           Systemout, println ("Insufficient balance");
               Mame: shoulddad BME
         void display() {
                System. out . println ("Name! "+name+" h"
                               VACCOUNTS: "+ accord+"In"+
                               " Type: "+ type+" hay
y balane: 4 balanex 4 hg
 4.
  class Saving Account extends Accounts
         prévate static ent rate =5;
         Saving Account Cstring name, int accro, String
                     type, double source balane)
                super(name, accno, type, balance);
    void balance With Puteut () of
                  balance += balance to rate (100;
                  System. Out prevolo ("balance: " + balan
  class aux Acc extend account
      private double win Bel = 500;
      private double servicechange = 50;
      currace (string name, but accord, double bal)
```

```
super (name, accord, "overent", bulena);
       yord cheekmin () {
                if (balance < minBal){
                  System out prettin ("balance is
       hers than min belance suvice
                      charges exposed , "+ service charges);
        balance -= Service Charges;
                System out préutin ("balance is'+balance);
          System and printing of meter the chaire
     class main { public static void main (string arger J) {
                  Scanner s = new Scanner (Syeken in);
                System.out. println ("Ender the name;");
                  String name = s. nextline();
                  System. out. prévit la C" Entre tre type Coursuit!
            String type = s.nextline();
            System out préath C'étate the account
                   Put accno = s, next Dut();
                    System. out. prenter (7 Entre the initial
July
                    double balance = s.nextDouble();
                    int ch; double amount 1, amount 2;
                    Account acc = new Account (name, acc no,
                                              type, balance);
                    SavAccount sa = new SavAccount (
                                         name, accno, balance);
```

```
Confección ca = new ans Account (
                          name, accos, bulance);
    while (true) {
      if (acc. type, equals ("savings")) {
   System. out. privater ("In Manu, It 2 deposit
           It 2. withdlaw It
                       3. compute outerest to
(sended+ is simpled Inthing to 4. Idlsplay ");
         System and prowting ("In Futur the choice:");
         ch = s.next Iut ();
         switch (ch) {
     can 9: System out-prout of Futur
     amount 1 = s. nextlet;
   sa. deposit (amount);
              break !
  can 2 : Systam Out printly (" Fiter
             (construction amount; ");
                    amout 2 = s. new Tutl)
    sa. withdraw (amout 2);
     Case 3 : Sa. Putured(); break;
        can 4: sa. desplay();
                     break.
             case 5 i Systemiexit (0);
    default : Sy etem. out prout in ("invalid
                    input 4);
           y breck to Australia
```

Futer the Enitial appoints balance! 150 1. Deposit 9. coithdraw 3. Compute internt for SwingsAccount 4. Pieglay Account détails. 5. exit Enter your choice Enter deposit amont: () bill 1 = 5. ack ( lide ( ) 1. Deport 2. coethdraes 3. comprile interest for swings Accord 4. Display Account details r. exit Enta your choice Enter the withdraw ( among 30- (SMM) Janos 2 depost 2 withdraw 3. compute interest - - Merre a. Display account details 5 cxit Luter your choice Details: Name: sharlidhar & m ACCONO: 15386 Type ; savings Lutu. The years balance: 140.0

Care Account Output; Enter your name: of morporg and a A3,000 1086; Entre the account type (well or deposit) eurlantAccount (\* ) Hu, Dung trogm Firter the account number 15348. Enter the initial amount; your 1. de posit 2 voithdraw 3 - display Accord 4. Exit Enter the choice: } (05/2 EAT) x12092000 Futu the amount 11- got shop 1. deposit 2. voithdrais 3- displey accord details 4. cost. flor Tiding blow illder Futu the choice 2 < 010-Enter the amount 1 deposit. 2 withdraw 1 displey acc. 14000 a.c. et. Enter the choice horse 3 Name : Sharlidhar B Type: curraccount 1909 T solding balance, 900 P Race 1/8