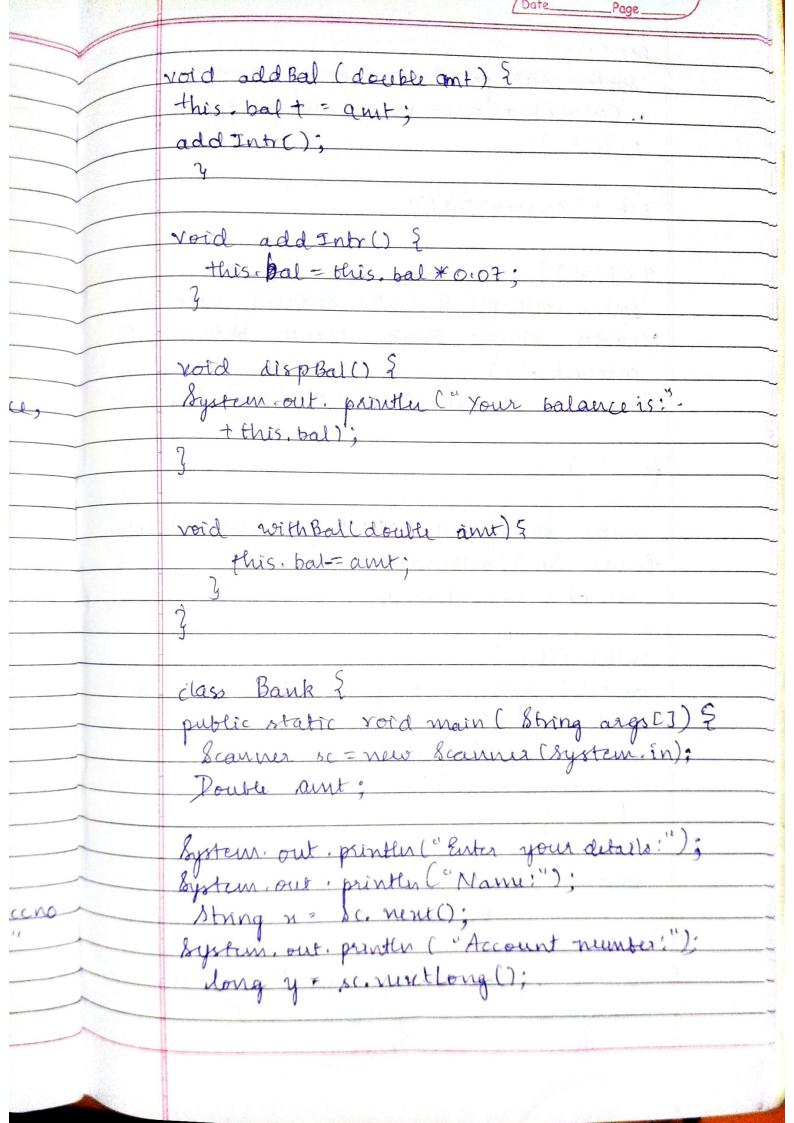
	DatePage
	LAB-4 POOJA-K 18M19CSIII
	/ Bank account program
	abstract class Account ?
	string ename, actype;
	long accno;
	double bal;
	frinal double minBal=1000.0;
	Account ( String ename, long accro, double
	bal, string acctype) {
3	this accno = accno;
1	this. chame & chame;
	this · bal = bal;
	this acetype = acctype;
	abstract void add Bal (double amt);
	abstract void dispBal ();
	abstract void withBal(double amt);
	3
1	class curs acct extends Account &
-	Carr-act (String come, long accomo, double bal) {
	bupes (chame accup bal, (cessent),
	but in out protes ("Name" treamet
	accno: "+ accnot" \tbul: "+ balt "\t type:"
	+ acctype);
T- Walley	7.

```
Yord addBal Edouble ant) }
 this bal + = aut;
void dispBal()?
System out, println ("Your balance is:"
  + this Bal)
void check Ball) ?
 If (this bal < min Bal) {
  V system. out. printer ("Insufficient balance,
  penally imposed");
  this. bal - = this Bal * 0.02;
void with Bal (double aint) &
    this, bal - = amt
   check Bal();
class lav-acct entends Account &
 Sev acct (String chame, long accro,
double bal) }
System out printly ("name" + chame + " ) tacco
 + accnot "It bal: "t balt "It type:"
 + acctype);
```



	for (;;)
	System.out. println ("Type of account in 1. Current account in 2; Savings account 3. But")?
	1. Carrent account in 2° Souther
	3. Eust");
	int t = sc, neutint();
	The state of the s
	1 (t==1) {
	provides cheque book facility but no
	provides cheque book facility but no
	interest:");
-	Curracet C= New Couracet (2, y, 50,000);
	for (;;)
	· {
	System. out paintle ("1. Deposit in 2! Display
	·Balana In 3: Withdraw In 44 Enit M);
	int ch = sc. neutInt();
	switch (ch) {
	case 1: System out printly ("Enter amount
9	to be added; ");
,	amt=3c. Wret Double();
	c=addBal(ant);
	break:
	care 2: c. dispBalci;
	breaki,
-	case 3: System. out printly ("Enter the
	consount to be withdrawn: ");
	ant = & c neut Double ();

cowith Bal Cant); case a: System enit(o); default; system out printin ( "Imaled choice"); else if (t==2) ? System out printle Co The savings account provides compound interest and withdrawl facility but no cheque book facility"); Sav-acet s= new fav-acet (2, y, 5000); Balance \n3: Withdraw \n 4: Exit"); int ch = sc. WestInt(); switch (ch) } case! : System out paintly CoEntarthe amount to be added"). ant 25 ( » n'ent Double(); soadd Bal Camt); break: caje à ; s.dispBal(); break; case 3: System out println ("Enter the amount to be withdrawn!"); ant = sc\_nextDouble(); 6. with Bal (amt); break;

case d'. System. exitto); default: system. out : paintle ("gradie choice "); else if (t = = 3) . System. exit(o) System. out. paintly "Invalis choice In again)

```
Bank.java - Notepad
File Edit Format View Help
import java.util.Scanner;
abstract class Account {
   String cName, accType;
   long accNo;
   double bal;
   final double minBal = 1000.0;
   Account(String cName, long accNo, double bal, String accType) {
       this.accNo = accNo;
       this.cName = cName;
       this.bal = bal;
       this.accType = accType;
   abstract void addBal(double amt);
   abstract void dispBal();
   abstract void withBal(double amt);
class Curr_acct extends Account {
   Curr_acct(String cName, long accNo, double bal) {
       super(cName, accNo, bal, "Current");
       System.out.println("Name: "+cName+"\taccno: "+accNo+"\tbal: "+bal+"\ttype: "+accType);
   void addBal(double amt){
       this.bal += amt;
   void dispBal(){
                   Ln 34, Col 20
                                                                                                                      100% Windows (CRLF)
                                                                                                                                          UTF-8
                                                               2 44 0
                                                                                                                      ^ 🖒 🖸 € 📢 ENG
         Type here to search
                                                0
```

```
O
Bank.java - Notepad
File Edit Format View Help
    void dispBal(){
        System.out.println("Your balance is: " + this.bal);
        void checkBal() {
        if (this.bal < minBal) {
                        System.out.println("Insufficient balance, penalty imposed");
            this.bal -= this.bal * 0.02;
}
    void withBal(double amt){
        this.bal -= amt;
        checkBal();
}
class Sav acct extends Account {
    Sav_acct(String cName, long accNo, double bal) {
        super(cName, accNo, bal, "Savings");
        System.out.println("name: " + cName + "\taccno: " + accNo + "\tbal: " + bal + "\ttype: " + accType);
    void addBal(double amt){
        this.bal += amt;
        addIntr();
    void addIntr() {
        this.bal += this.bal * 0.07;
    void dispBal(){
        System.out.println("Your balance is: " + this.bal);
                                                                                                           Ln 1, Col 20
                                                                                                                            100% Windows (CRLF)
                                                                                                                                                 UTF-8
                                                                   1 2 44 3
          Type here to search
                                                  0
                                                                                                                            ^ ♠ □ @ ♥ ENG
```

```
Bank.java - Notepad
                                                                                                                                                         P
File Edit Format View Help
        System.out.println("Your balance is: " + this.bal);
    void withBal(double amt){
        this.bal -= amt;
class Bank {
   public static void main(String[] args) {
        Scanner sc = new Scanner(System.in);
        Double amt;
                System.out.println("Enter your details:");
                System.out.println("Name:");
                String x=sc.next();
                System.out.println("Account Number:");
                long y=sc.nextLong();
                for(;;)
                System.out.println("Type of account:\n1.Current account\n2.Savings account\n3.Exit");
                int t=sc.nextInt();
       if(t==1){
                        System.out.println("The current account provides cheque book facility but no interest.");
                Curr_acct c = new Curr_acct(x, y, 50000);
       for(;;)
                                                                                                             Ln 1, Col 20
                                                                                                                               100% Windows (CRLF)
                                                                                                                                                     UTF-8
                                                                                                                               ^ 🙆 🖾 🦟 🕬 ENG
          Type here to search
                                                   0
```

```
口
Bank.java - Notepad
File Edit Format View Help
                        System.out.println("The current account provides cheque book facility but no interest.");
                Curr_acct c = new Curr_acct(x, y, 50000);
       for(;;)
           System.out.println("1:Deposit\n2:Display Balance\n3:Withdraw\n4:Exit");
            int ch = sc.nextInt();
            switch (ch) {
                case 1:
                    System.out.println("Enter the amount to be added:");
                    amt = sc.nextDouble();
                    c.addBal(amt);
                    break;
                case 2:
                    c.dispBal();
                    break;
                case 3:
                    System.out.println("Enter the amount to be withdrawn:");
                    amt = sc.nextDouble();
                    c.withBal(amt);
                    break;
                                case 4:System.exit(0);
                        default: System.out.println("Invalid choice! Try again");
            }
                        }
                }
        else if(t==2){
                        System.out.println("The savings account provides compound interest and withdrawal facilities but no cheque book facility.");
                Sav_acct s = new Sav_acct(x,y,5000);
        for(;;) {
                                                                                                             Ln 1, Col 20
                                                                                                                               100% Windows (CRLF)
                                                                                                                                                    UTF-8
          Type here to search
                                                   0
                                                                                                                               ^ ♠ □ @ ♥ ENG
```

```
Bank.java - Notepad
                                                                                                                                                         O
File Edit Format View Help
                Sav_acct s = new Sav_acct(x,y,5000);
       for(;;) {
            System.out.println("1:Deposit\n2:Display Balance\n3:Withdraw\n4:Exit");
            int ch = sc.nextInt();
            switch (ch) {
                case 1:
                    System.out.println("Enter the amount to be added:");
                    amt = sc.nextDouble();
                    s.addBal(amt);
                    break;
                case 2:
                    s.dispBal();
                    break;
                case 3:
                    System.out.println("Enter the amount to be withdrawn:");
                    amt = sc.nextDouble();
                    s.withBal(amt);
                    break;
                case 4:System.exit(0);
                        default:System.out.println("Invalid choice! Try again");
        }
                else if(t==3)
                        System.exit(0);
                else
                        System.out.println("Invalid choice! Try again");
                                                                                                             Ln 1, Col 20
                                                                                                                               100% Windows (CRLF)
                                                                                                                                                    UTF-8
                                                         H
                                                                                                                               ^ 🙆 🖾 🦟 🕬 ENG
          Type here to search
                                                   0
```

