

LAB - PROGRAM (S)

```
import java.util.Scanner;  
class account  
{  
    String name;  
    int accno;  
    String type;  
    double balance;  
    account(String name, int accno, String type, double balance)  
    {  
        this.name = name;  
        this.accno = accno;  
        this.type = type;  
        this.balance = balance;  
    }  
    void deposit(double amount)  
    {  
        balance += amount;  
    }  
    void withdraw(double amount)  
    {  
        if (balance - amount) >= 0  
        {  
            balance -= amount;  
        }  
        else  
        {  
            System.out.println("Insufficient balance, can't withdraw");  
        }  
    }  
    void display()  
    {  
        System.out.println("name:" + name + " accno:" + accno +  
                           " type:" + type + " balance:" + balance);  
    }  
}
```

class SavAcct extends Account

{ private static double rate = 5;
SavAcct (String name, int accno, double balance)

{ super (name, accno, "savings", balance);

void interest ()

{ balance += balance * (rate) / 100;

System.out.println ("balance" + balance);

}

close correct extends account

{ private double minBal = 500;

private double serviceCharges = 50;

current (String name, int accno, double balance)

{ super (name, accno, "current", balance);

}

void checkmain ()

{ if (balance < minBal)

System.out.println ("balance is less than min

balance, Service charges imposed," + serviceCharges);

balance -= serviceCharges;

System.out.println ("balance is" + balance);

}

{ (1) interest.2 = 1000

; (2) main.11 = 1000, 03

; (3) close

does account main

```
{ public static void main (String args) {  
    Scanner s = new Scanner (System.in);  
    System.out.println ("Enter the name : ");  
    String name = s.nextLine();  
    System.out.println ("Enter the type : ");  
    String type = s.nextLine();  
    System.out.println ("Enter account no : ");  
    int accno = s.nextInt();  
    System.out.println ("Enter initial balance : ");  
    double balance = s.nextDouble();  
  
    int ch;  
    double amt1, amt2;  
    account acc = new account (name, accno, type, balance);  
    SavAcct sa = new SavAcct (name, accno, balance);  
    curAcct ca = new curAcct (name, accno, balance);  
}
```

while (true)

```
{ if (acc.type.equals ("savings"))  
{  
    System.out.println ("1. deposit 2. withdraw  
    3. compute interest 4. display");  
    System.out.println ("Enter your choice : ");  
    ch = s.nextInt();  
    switch (ch)  
{  
    case 1 : System.out.println ("Enter amount : ");  
        amt1 = s.nextInt();  
        sa.deposit (amt1);  
        break;  
    }
```

```
case 2 : System.out.println("Enter amount:");  
amt2 = s.nextInt();  
ca.withdraw(amt2);  
break;  
case 3 : ca.withdraw();  
break;  
case 4 : ca.display();  
break;  
case 5 : System.exit(0);  
default : System.out.println("Invalid input");  
break;
```

```
{  
else  
{  
System.out.println("\nmenu").deposit ? withdraw  
3=display();  
System.out.println("Enter your choice:");  
ch = s.nextInt();  
switch(ch)  
{  
case 1 : System.out.println("Enter amount:");  
amt1 = s.nextInt();  
ca.deposit(amt1);  
break;  
case 2 : System.out.println("Enter amount:");  
amt2 = s.nextInt();  
ca.withdraw(amt2);  
ca.checkmin();  
break;  
case 3 : ca.display();  
break;
```

```
case 4: System.exit(0);  
default : System.out.println("invalid input");  
break;
```

Output: (S Gajanan Nayak) B M 22 CS 227

Enter the name :

john

enter the type:

current $\left(\frac{V}{A} \right)$ = $\frac{P}{V}$ (Watts/V²) Volts/A. The resistive

enter the acc no:

enter the initial balance (of value) after the two main

1000
Meno

1. deposit 2. withdraw 3. display

1. deposit 2. withdraw
either choice: 1
either the amount: (refugee) allowed: two refuges: 1-9/2

500

Wen 3

1. deposit 2. withdraw 3. display

1. deposit
2. other choice:

2

Outer amount:

600

meas

1. deposit
2. withdraw
3. display

enter my choice:

name: john accno: 1 type: current balance: 900

menu
1. deposit 2. withdraw 3. display

enter the choice:

H

~~1. deposit
2. withdraw
3. display
enter the choice:
H~~