LAB – 5

1BM19CS025

```
import java.util.Scanner;

class Account {
    String customer_name;
    String acc_type;
    String acc_number;

    public Account(String customer_name, String acc_number,
                   String acc_type)
    {
        this.customer_name = customer_name;
        this.acc_number = acc_number;
        this.acc_type = acc_type;
    }
{

class SavingsAcc extends Account
{
    static double balance = 0.0;
    public SavingsAcc (String customer_name, String acc_number,
                       String acc_type) {
    {
        super (customer_name, acc_number, acc_type);
    {

public void deposit (double amt, int years, double rate)
    {
        balance = amt + (amt * years * rate / 100);
    {
```

```
public void withdraw (double amount)
{
    if (balance - amount <= 0)
    {
        System.out.println("can't withdraw");
    }
    else {
        balance -= amount;
    }
}

public void getd()
{
    System.out.println("Name" + customer_name);
    System.out.println("Account no" + acc_number);
    System.out.println("Account type" + acc_type);
    System.out.println("Balance" + Balance);
    System.out.println("Cheque Book facility : No");
}
}

class CurrentAcc extends Account {

    public CurrentAcc (String customer_name, String acc_number,
                       String acc_type) {
        super (customer_name, acc_number, acc_type);
        {
```

```
static double balance = 0.0;
double min_balance = 500.0;
double penalty = 100.0;
public void deposit (double amount)
{
    balance = + amt;
}
public void withdraw (double amount)
{
    if (balance - amount <= 0)
    {
        System.out.println ("can't withdraw");
    }
    else
        balance = balance - amount;
{
public void check()
    if (balance < min_balance)
    {
        balance = balance - penalty;
    {
{

public void getd()
{
System.out.println ("Name" + customer_name);
System.out.println ("Acount no:" + acc_number);
System.out.println ("Account typ:" + acc_type);
System.out.println ("Balance" + balance);
System.out.println
}
{
```

```
Class Macha {

Public static void main (String aa[]) {
Scanner SS = new Scanner (System.in);
System.out.println (" Enter details of savings account");
Enter n
System.out.println(" Enter name");
String name = SS.next();
System.out.println (" Enter account no");
String number = SS.next();
System.out.println(" Enter amount to deposit");
double amount = SS.nextDouble();
System.out.println(" Enter years");
double years = SS.nextDouble();
System.out.println (" Enter the rate");
double rate = SS.nextDouble();
System.out.println (" Enter the amount of withdraw");
double amount1 = SS.nextDouble();

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

System.out.println(" Current account details");
System.out.println(" Enter name");
String name1 = SS.next();
System.out.println(" Enter acount no");
String number1 = SS.next();
System.out.println(" Enter amount to deposit");
double amount2 = SS.nextDouble();
System.out.println(" Enter the amount to withdraw");
double amount3 = SS.nextDouble();
```

```
System.out.println("                    ");
System.out.println("  Details  ");

SavingsAcc  S = new SavingsAcc(name, number, "Savings A/c");

    S.deposit(amount, years, rate);
    S.withdraw(amount1);
    S.getd();

System.out.println("                    ");

CurrentAcc  C = new CurrentAcc(name1, number1,
                    "Current Account");
    C.deposit(amount2);
    C.withdraw(amount3);
    C.check()
    C.getd();
  {
{
```