

LAB - 5

Name : Turnaa P<sub>AI</sub>

USN : IBM19CS174

```
import java.util.*;
```

```
class account {
```

```
    String customer-name;
```

```
    int account-number;
```

```
    String account-type;
```

```
}
```

```
class curr-acc extends account {
```

```
    Scanner x = new Scanner(System.in);
```

```
    double temp = 0.0;
```

```
    double amount = 0.0;
```

```
    double fine = 0.0;
```

```
    double min-amount = 1000.0;
```

```
    void getdetails() {
```

```
        customer-name = x.nextLine();
```

```
        account-number = x.nextInt();
```

```
}
```

```
    void deposit() {
```

```
        System.out.print("Enter the deposit amount: ");
```

```
        temp = x.nextDouble();
```

```
        amount += temp;
```

```
}
```

```
    void showbalance()
```

```
{ if (amount >= min-amount) {
```

```
    System.out.println("Balance is: " + amount);
```

```
}
```

```
else {
```

```
    fine = (amount * 1.0 * 10) / 100;
```

```
    amount -= fine;
```

```
    System.out.println("The fine imposed: " + fine);
```

```
    System.out.println("Balance is: " + amount);
```



Name: Tosman Pat

USN: 18M19CS174

```
}  
}
```

```
void withdrawal () {
```

```
    System.out.print("Enter the withdrawal amount : ");
```

```
    temp = x.nextDouble();
```

```
    amount -= temp;
```

```
}
```

```
}
```

```
class SavAcct extends account {
```

```
    Scanner x = new Scanner(System.in);
```

```
    double temp = 0.0;
```

```
    double amount = 0.0;
```

```
    double interest = 0.0;
```

```
    void getdetails () {
```

```
        customerName = x.nextLine();
```

```
        accountNumber = x.nextInt();
```

```
}
```

```
    void deposit () {
```

```
        System.out.print("Enter the deposit amount : ");
```

```
        temp = x.nextDouble();
```

```
        amount += temp;
```

```
}
```

```
    void showBalance () {
```

```
        System.out.println("Balance is : " + amount);
```

```
}
```

```
    void withdrawal () {
```

```
        System.out.print("Enter the withdrawal amount : ");
```

```
        temp = x.nextDouble();
```

```
        amount -= temp;
```

```
}
```





Name : TUSHAR PAZ

USN : IBM19CS174

```
void interest() {
```

```
    interest = (amount * 1.0 * 3) / 100;
```

```
    amount += interest;
```

```
    System.out.println("Interest added : " + interest);
```

```
    System.out.println("Balance is : " + amount);
```

```
}
```

```
}
```

```
public class Main {
```

```
    public static void main(String[] args) {
```

```
        int opt = 0;
```

```
        String type = null;
```

```
        Scanner x = new Scanner(System.in);
```

```
        System.out.println("Welcome to bank service");
```

```
        System.out.println("Enter the account (curr-acct / sav-acct)");
```

```
        type = x.nextLine();
```

```
        if (type.equals("curr-acct")) {
```

```
            curr-acct a = new curr-acct();
```

```
            System.out.println("Enter the customer-name, account-number :");
```

```
            a.getDetails();
```

```
            while (true) {
```

```
                System.out.println("Press 1: Accept deposit and update the balance");
```

```
                System.out.println("Press 2: Display the balance");
```

```
                System.out.println("Press 3: Withdrawal and update balance");
```

```
                System.out.println("Enter option :");
```

```
                opt = x.nextInt();
```

```
                switch (opt) {
```

```
                    case 1: a.deposit();
```

```
                        a.showBalance();
```

```
                        break;
```

```
                    case 2: a.showBalance();
```

```
                        break;
```



```
case 3: a.withdrawal();  
        a.showbalance();  
        break;
```

```
    }  
}
```

```
3 if (type.equals("sac - acct")) {
```

```
    Sac - acct a = new sac - acct();  
    System.out.println("Enter customer name, account - number:");  
    a.getdetails();
```

```
    while (true) {
```

```
        System.out.println("Press 1: Accept deposit and update the balance");  
        System.out.println("Press 2: Display the balance");  
        System.out.println("Press 3: Compute and deposit interest");  
        System.out.println("Press 4: Withdrawal and update the balance");
```

```
        System.out.println("Enter option: ");  
        opt = n.nextInt();
```

```
        switch (opt) {
```

```
            case 1: a.deposit();  
                    a.showbalance();  
                    break;
```

```
            case 2: a.showbalance();  
                    break;
```

```
            case 3: a.interest();  
                    a.showbalance();  
                    break;
```

Name: Tushar Pat  
USN: IBM19C3124



PAGE

DATE

Case 4: a.withdrawal ( );  
a.showbalance ( );  
break;

Name: TUSHAR PATI

USN: 1RM19C3174

}

}

}

}

}