

NAME: Ramya RameshUSN: 1BM19CH038LAB PROGRAM 5 :

```
import java.util.Scanner ;
```

```
class Account {
```

```
    private String name ;
```

```
    private long account_number ;
```

```
    private int account_type ;
```

```
    double balance ;
```

```
    void get_data()
    {
```

```
        Scanner ss = new Scanner(System.in)
```

```
        System.out.println("\n Enter your Name : ");
```

```
        name = ss.nextLine();
```

```
        System.out.println("\n Enter the Account Number : ");
```

```
        account_number = ss.nextLong();
```

```
        System.out.println("\n Choose the account type : ");
```

```
        System.out.println("\n 1. Savings account ");
```

```
        System.out.println("\n 2. Current account ");
```

```
        account_type = ss.nextInt();
```

```
    }
```

```
    int return_account_type ()
```

```
    {
```

```
        return account_type ;
```

```
    }
```

```
}
```

```
class Sav_acct extends Account  
{
```

```
    Scanner ss = new Scanner(System.in);  
    double amount;
```

```
    void get_sav_balance()  
    {
```

```
        System.out.println("\n Enter the amount to  
        be placed in your savings account: ");  
        amount = ss.nextDouble();  
        balance = balance + amount;  
    }
```

```
    void display_sav_blnce()  
    {
```

```
        System.out.println("\n Balance = " + balance);  
    }
```

```
    void compute_sav_interest()  
    {
```

```
        System.out.println("\n Interest of 5% shall be  
        added to your balance ");  
        balance = balance + (0.05 * balance);  
    }
```

```
    void withdrawn_sav()  
    {
```

```
        System.out.println("\n Enter the amount to be  
        withdrawn: ");
```

```
        amount = ss.nextDouble();  
        balance = balance - amount;  
    }
```

```
}
```

```
class Curr_acct extends Account
{
```

```
    Scanner ss = new Scanner (System.in);
    double amount ;
    final double min_balance = 5000 ;
```

```
    void get_cur_balance()
    {
```

```
        System.out.println("\n Enter the amount to be placed
        in your current account : ");
        amount = ss.nextDouble();
        balance += amount ;
    }
```

```
    void display_cur_bance()
    {
```

```
        System.out.println("\n Balance = " + balance);
    }
```

```
    void compute_cur_service_charges()
    {
```

```
        if (balance < min_balance)
        {
```

```
            System.out.println("\n Service tax of rs. 500 shall be
            levied");
```

```
            balance = balance - 500 ;
        }
```

```
        else
        {
```

```
            System.out.println("\n Minimum balance is
            maintained");
        }
```

```
    }
```



```
void withdrawal_ar()  
{
```

```
    System.out.println("\n Enter the amount to be  
    withdrawn : ");
```

```
    amount = ss.nextDouble();  
    balance = balance - amount;
```

```
}
```

```
}
```

```
class Bank
```

```
{
```

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

```
    {
```

```
        System.out.println("\n Enter the bank details: ");
```

```
        Account acc = new Account();
```

```
        acc.get_data();
```

```
        int type = acc.return_account_type();
```

```
        if (type == 1)
```

```
        {
```

```
            System.out.println("*** SAVINGS ACCOUNT ***");
```

```
            Sav_acct sav = new Sav_acct();
```

```
            sav.get_sav_balance();
```

```
            sav.display_sav_blnce();
```

```
            sav.compute_sav_interest();
```

```
            sav.display_sav_blnce();
```

```
            sav.withdrawal_sav();
```

```
            sav.display_sav_blnce();
```

```
        }
```

```
if (type == 2)  
{
```

```
    System.out.println("**** CURRENT ACCOUNT ****");
```

```
    Curr_acct cur = new Curr_acct();
```

```
    cur.get_cur_balance();
```

```
    cur.display_cur_blnce();
```

```
    cur.compute_cur_service_charges();
```

```
    cur.display_cur_blnce();
```

```
    cur.withdrawal_cur();
```

```
    cur.display_cur_blnce();
```

```
}
```

```
}
```

```
}
```