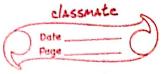
## LAB 5

```
import java with x;
import java. lang. *;
class Account (
  String name, abc;
     int aceNo;
    char accType;
     double bal = 0;
     double deposit;
      Scanner in = new Scanner (system.in);
     void in-data () }
      System. out. printin (" Enter your account type (S(C): ");
      abc = in. nextline ();
     acctype = abc. charAt(0);
    void deposit() {
      System out println (" Enter an amount to deposit: ");
     deposit = in. next Double ();
     bal += deposit;
       System. out. println ("Balance has been updated.");
     void view-balance () }
        System. out. printin (" Balance = " + bal);
     public static void main (String [] args) {
      Scanner S= new Scanner (Systemin);
      int x;
      Account a1 = new Account ();
```

```
al in-data();
if (a1. acctype == 'C' | a1. acctype == 'c') }
  Current az = new current();
  do
   System. out. printin ( " WELLOME TO CURRENT ACC. ");
   System. out. printin (" 1. Deposit ");
   System.out. println ("2. Check Balance");
   System. out. println ("3. Issue Check");
   System.out. println ("4. Exit");
   System. out. printen ("Enter your choice: ");
   x= in. next Int();
    switch (x) [
      Case 1: 22. deposit ();
      break;
      Case 2: az. check-balance ();
      break;
      case 3: 22. issue-check ()
      break;
     case 4; System. exit(0);
      break;
     default: System out. printin (" ERROR! INVALID CHOICE")
 } while (x <= 4 & 2 x >= 1);
else if (al. acctype == 's') {
   Savings 23 = new savings ();
   System.out.println(" WELCOME TO SAVINGS ACC");
   system.out. println (" 1. Deposit ");
   System.out. println("2. View Balance");
   System.out.println("3. Withdraw");
  System. out. println ("4. Glawate compound interest")
```

Scarmed with Camscar

```
System. out. println ("5. Exit");
  System. out . println ( " Enter your choice ");
   \mathcal{H} = S. \text{nextInt()'}
   Switch (x) 4
     case 1: 23. deposit();
     break.
     case 1: a3, view-balance()
     break:
      Case 3: a3. withdraw-balance();
     break;
     case4: a3. compute-CI();
     break'
    case 5: System.exit(0);
      break;
      default: System.out. println ("ERROR! INVALID CHOICE.");
   } while (x <= 5 && x >= 1);
   else System. out. println (" INVALID ACCOUNT TYPE! ");
class current extends Account
   Current () }
   System.out. println ("Enter your name: ");
   name = in. nextline ();
   System out printin (" Enter account no .: ");
   accNo = in. next line ();
    deposit ();
 double chq-amount;
```



```
void compute_CI() {
   System out printin (" Enter the time period: ").
    time = in nextInt ();
    CI = (bal * (Math. pow (6, time))) - bal;
    System. out. println ("CI has been deposited");
void withdraw-balance () &
  System. out. printin (" Enter the amount you want to withdraw: ").
   withdrawal amount = in next Doubic();
   if (withdrawal-amount > bal) {
     System out printin ("ERROR! THE ENTERED AMOUNT IS GREATER
     THAN THE AVAILABLE BALANCE ");
      bal -= withdrawal_amount;
      System out println ("AMOUNT HAS BEEN SUCCESSFULLY
       WITHDRAWN"):
```