WEEK-8

1BM19CS043

DAYANAND

```
import java.util.scanner;
import java.lang.Math;
   class Account
   { string name, type, accno;
   double balance;
    void deposit()
{ Scanner get = new scanner(system.in);
  double depo;
  System.out.println("Enter the deposit");
  depo = get.nextDouble();
   balance = balance + dipo
}
   void withdraw()
{
   Scanner get = new Scanner(system.in);
    double withdraw;
   System.out.println("enter the amount to withraw :(Z"+
    balance +")");
   withdraw =get.nextDouble();
    balance = balance -withdraw
   System.out.println("Balance:" +balance);
}}
    class user_acct extends account
```

```
{   boolean  cheque=true; double int=1;
    void displbln()
{ System.out.println("Balance :"+balance); }
    void create()
{ Scanner get= new scanner(System.in);
  System.out.println("Name:");
  name = get.next();
  type = "current";
  System.out.println("Account No:");
    accno = get.next();
    System.out.println("Balance :");
    balance = get.nextDouble();
}
void calcint()
{ double interest;
  scanner get.newscanner(system.in);
  System.out.println("enter time:");
   int time;
  time= get.nextInt();
  interest = balance * Math.Pow (1+intr/100),time)-balance;
   System.out.println("Interest :"+interest);
    balance = balance+ interest;
    System.out.println("Balance :"+balance);
}}
Class Bank
```

```
{ Public static void main (string args([])
  { scanner get = new scanner (system.in);
      String type;
    Sav_acct accs = new Sav_acct ();
    Curr_acct accr = new Curr_acct();
System.out.println("Enter type of account: Curren savings");
type = get.next ();
if (type.equals ("current"))
  accs.create();
else if (type.equals ("current"))
  accr create ();
  int ch;
  do
{ System.out.println ("\n 1. Deposit \n2. Display balance
    \n3. Deposit Interest \n4. withdraw \n5. Check \n6.
  Cheque Book \n7. Exit");
  switch (ch)
{ case 1 : if (type.equals ("savings"))
    accs.deposit();
  else
    accr.deposit();
    break;
case 2; if (type.equals ("savings");
  accs.display();
  else
    accr.display();
    break;
```

```
case 3 : if (type.equals ("savings"))
          acc.calcint ();
         else
          system.out.println(" this account does not have provision");
          break;
case 4 ; if (type.equals("savings"));
          accs.withdraw ();
         else
          accs .withdraw();
          break;
Case 5 : if (type.equals("savings"))
          System.out.println ("this account does not have this
         Provision");
          else
           system.out.println("this account does have this
          provision"); accs.check();
           break;          break;
case 6 : if (type.equals ("savings"))
          System.out.println ("This account does not have this
         provision");
          else
          system.out.println(" This acount does have this
                    provision");
          break;
default : if(ch!=7)
          system.out.println ("Enter valid option");
  }  }
     while (ch!=7);
  }  }
```