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Lab - 5

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Q⇒ Develop a Java program to create a class Bank ..... update the balance

```
import java.util.*;
class Account {
    String name;
    double acc_no, bal;
    int type;
    Account (String n, double a, int t, double b) {
        name = n;
        acc_no = a;
        type = t;
        bal = b;
    }
    void display (String name, double acc_no,
        int type, double bal) {
        System.out.println ("Name: " + name);
        System.out.println ("Account no: " + acc_no);
        System.out.println ("Type of acc: " + type);
        System.out.println ("Balance: " + bal);
    }
}
class Current extends Account {
    double f;
    Current (String n, double a, int t, double b,
        double wd, double in) {
```

super (m, a, t, b);
w = wd;
i = in;
}
double withd (double bal, double w) {
System.out.println ("Withdrawal
Amount : " + w);
bal = bal - w;
System.out.println ("Remaining
Balance is : " + bal);
return bal;
}
double interest (double bal) {
bal = bal + (bal * a.a5);
System.out.println ("Updated balance
after interest is : " + bal);
return bal;
}
}
class current extends Account {
double p;
current (String n, double a, int t,
double b, double w, double p, double i)
super (n, a, t, b);
p = p * b

```
double fen ( double bal ) {
    System out println ("Penalty : 200 ");
    bal = bal - 500;
    System.out.println(" Bal : " + bal);
    return bal;
  }
}
class Series {
  public static void main ( String args[]){
  Scanner in = new Scanner (System.in);
  String name = " ";
  double acc_no = 0, bal = 0, w = 0, i = 0, f = 0;
  int type = 0, j = 0, c = 0, x = 0;
  Account a = new Account (name, acc_no,
                type, bal );
  Save as = new Sav (name, acc_no,
                type, bal, w, i );
  Current c = new Current ( name, acc_no,
                type, bal, f, i );
  System.out.println ("Name : ");
  name = in.next();
  System.out.println ("Account No. : ");
  acc_no = in.nextDouble();
  System.out.println (" 1 : Savings 2 : Current ");
  type = in.nextInt();
```

System.out.println("Enter balance : ");
bal = in.nextDouble();
a.display(name, acc no, type, bal);
while (z != 0) {
if (type == 1) {
System.out.println("Interest
applied is 5 % : ");
bal = sa.interest(bal);
System.out.println("1 : withdraw
2 : No ? ");
j = in.nextInt();
if (j == 1) {
System.out.println("Amount = ");
w = in.nextDouble();
bal = sa.withdraw(bal, w);
}
}
else if (type == 2) {
System.out.println("Do you
want to withdraw (1 : Yes) ? ");
K = in.nextInt();
if (K == 1) {
System.out.println("Amount : ");
w = in.nextDouble();
bal = sa.withdraw(bal, w); }

```
        if (bal < 1000){
            bal = 100 - bal;
        }
    }
    else {
        System.out.println("You haven't
            entered proper choice !!!");
    }
    System.out.println("0: Exit \t any
        other number: continue");
    y = in.nextInt();
  }
 }
}
```

O/P->

Name : aa

Account No : 123

Account type (1: savings 2: Current) : 1

Enter balance: 100

User details:

Name : aa

Acc No : 123

Account type : 1

Balance : 100

Interest applied : 5%

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Updated balance : 105
Withdrawal (1: Yes) : No) : 2
Continue (8: Exit) : 8

Algorithm :
1) Enter details with type of account & balan
2) As per account type provide services
3) Update balance after every service
4) Continue till user's wish
5) End