

LAB-5

```
import java.util.Scanner;
class Bank
{
int deposit_balance;
int withdraw_balance;
String customername;
String Account_Number;
String Account_Type;
int Balance=27890;
void accept()
{
Scanner s=new Scanner(System.in);
System.out.println("Enter the name\n");
customername=s.next();
System.out.println("Enter the Account Number\n");
Account_Number=s.next();
System.out.println("Enter the Account type\n");
Account_Type=s.next();
}
void display()
{
System.out.println("CUSTOMER NAME :
"+customername);
System.out.println("ACCOUNT NUMBER :
"+Account_Number);
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System.out.println("ACCOUNT TYPE :
"+Account_Type);
}
}
class curr_acct extends Bank{
int updated_balance;
int After_cwithdrawn;
int updated_lost_cbalance;
int cdepo_ba(){
updated_balance=Balance+deposit_balance;return
n updated_balance;
}
int cwith_ba(){
After_cwithdrawn=((updated_balance)-
(wthdraw_balance));
return After_cwithdrawn;
}
int minimum()
{
if((After_cwithdrawn)<=(2000))
{
updated_lost_cbalance=((After_cwithdrawn)-
(200));
System.out.println("you have minimum balance
below 2000 so u have lost 200 rs");
return updated_lost_cbalance;
}
else
return After_cwithdrawn;
}
}

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}
class sav_acct extends Bank{
int supdated_balance;
int After_swithdrawn;
int updated_lost_sbalance;
int compound_interest;
int sdepo_ba(){
supdated_balance=Balance+deposit_balance;
return supdated_balance;
}
int interest()
{
double r=0.08;
int n=12;
int t=5;
compound_interest=(int)(((supdated_balance)*(Mat
h.pow((1+(r/n)),(n*t)))));
return compound_interest;
}int Swith_ba(){
After_swithdrawn=((compound_interest)-
(wthdraw_balance));
return After_swithdrawn;
}
int minimum()
{
if((After_swithdrawn)<=(1000))
{
updated_lost_sbalance=((After_swithdrawn)-
(100));
return updated_lost_sbalance;
}
}

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}
else
return After_swithdrawn;
}
}
class Transactions{
public static void main(String args[]){
Scanner r=new Scanner(System.in);
curr_acct CA=new curr_acct();
CA.accept();
System.out.println("Enter the money u want to
deposit in current account in rupees");
CA.deposit_balance=r.nextInt();
CA.display();
System.out.println("After your deposition of
"+CA.deposit_balance+"\nNow your total balance
is
RS-"+CA.cdepo_ba());
System.out.println("Enter the money you want to
withdraw in rupees");
CA.wthdraw_balance=r.nextInt();
System.out.println("After your withdrawal of
"+CA.wthdraw_balance+"\nNow your total balance
is RS-"+CA.cwith_ba());
System.out.println("After checking if u have
minimum balance are not your updated total
balance is RS-"+CA.minimum());
sav_acct SA=new sav_acct();
SA.accept();

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System.out.println("Enter the money u want to
deposit in Saving account");
SA.deposit_balance=r.nextInt();
SA.display();
System.out.println("After your deposition of
"+SA.deposit_balance+"\nNow your total balance
is
RS-"+SA.sdepo_ba());
System.out.println("After interest ur updated
balance is RS-"+SA.interest());
System.out.println("Enter the money you want to
withdraw in Saving
account");SA.wthdraw_balance=r.nextInt();
System.out.println("After your withdrawal of RS-
"+SA.wthdraw_balance+"\nNow your total
balance is RS-"+SA.Swith_ba());
System.out.println("After checking if u have
minimum balance are not your updated total
balance is RS-"+SA.minimum());
}
}
```

```
PS C:\Users\dashr\OneDrive\Desktop\Roshni 00J Lab> javac BankMain.j
PS C:\Users\dashr\OneDrive\Desktop\Roshni 00J Lab> java BankMain
Enter the name
Roshni
Enter the account number
762
Enter the type
1.Savings
2.Current
1
1.Check balance
2.Deposit Cash
3.Withdraw Cash
4.Calculate Interest
5.Exit
Enter your choice
2
Enter the amount to deposit
5000
The balance in account is 5000.0
1.Check balance
2.Deposit Cash
3.Withdraw Cash
4.Calculate Interest
5.Exit
Enter your choice
3
Enter the amount to withdraw
2000
The balance in account is 3000.0
1.Check balance
2.Deposit Cash
3.withdraw Cash
4.Calculate Interest
5.Exit
Enter your choice
4
The interest amount is 240.0
The balance in account is 3240.0
1.Check balance
2.Deposit Cash
3.Withdraw Cash
4.Calculate Interest
```