

```

package lab_p2;

import java.util.Scanner;

public class Lab_P2 {

    public static void main(String[] args) {

        Scanner input = new Scanner(System.in);

        System.out.println("Enter account 1 data (account number, name, balance): ");

        int num1 = input.nextInt();

        String n1 = input.next();

        double b1 = input.nextDouble();

        BankingAccount acc1 = new BankingAccount(num1, n1, b1);

        System.out.println("Enter account 2 data (account number, name, balance): ");

        int num2 = input.nextInt();

        String n2 = input.next();

        double b2 = input.nextDouble();

        BankingAccount acc2 = new BankingAccount(num2, n2, b2);

        System.out.println("The data of the first account:");

        acc1.report();

        System.out.println("The data of the second account:");

        acc2.report();

    }

}

```

```

package lab_p2;

```

```

class BankingAccount {

    private int accountNumber;

    private String name;

    private double balance;

    public BankingAccount(int num, String n, double b) {

        accountNumber= num;
    }

}

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name=n;
balance=b;
}

    public void setAccountNumber(int num) {
accountNumber = num;
}

public int getAccountNumber() {
    return accountNumber;
}

public void setName(String n) {
name = n;
}

public String getName (){
return name;
}

public void setBalance (double b){
balance=b;
}

public double getBalance(){
return balance;  }

public double calculateInterest() {
    double interest;

    if (balance >= 10000)
        interest = 0.05*balance;
    else if (balance >= 5000)
        interest = 0.03*balance;
    else if (balance >= 1500)
        interest = 0.02*balance;

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else if (balance >= 1000)

    interest = 0.01*balance;

else

    interest = 0.005*balance;

return interest;
}

public void report(){

System.out.println("accountNumber: " + accountNumber);

System.out.println("Name: " + name);

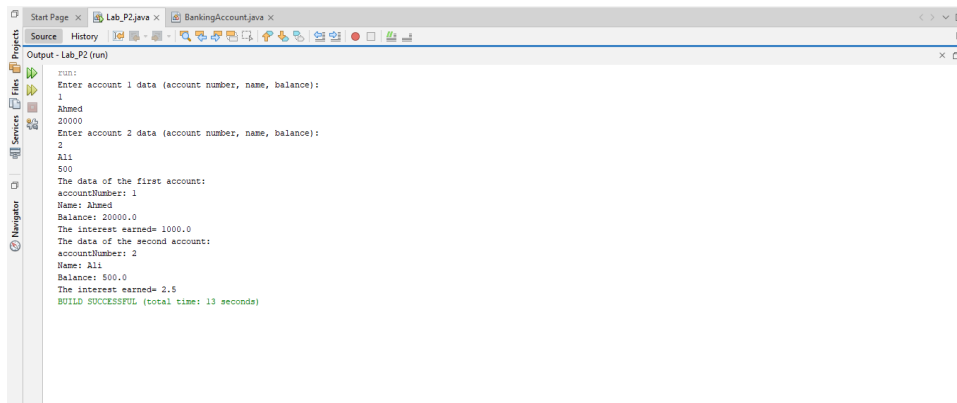
System.out.println("Balance: " + balance);

System.out.println("The interest earned= " + calculateInterest());

}

}

```



The screenshot shows an IDE window with the following output:

```

run:
Enter account 1 data (account number, name, balance):
1
Ahmed
20000
Enter account 2 data (account number, name, balance):
2
Ali
500
The data of the first account:
accountNumber: 1
Name: Ahmed
Balance: 20000.0
The interest earned= 1000.0
The data of the second account:
accountNumber: 2
Name: Ali
Balance: 500.0
The interest earned= 2.5
BUILD SUCCESSFUL (total time: 13 seconds)

```