

1.grade

```
import java.io.*;

public class p {

    public static void main(String args[]) throws IOException {

        BufferedReader stdid = new BufferedReader(new InputStreamReader(System.in));

        int i;

        String studentNum;

        System.out.print("Enter student: ");

        studentNum = stdid.readLine();

        String student[][] = new String[Integer.parseInt(studentNum)][3];

        for (i = 0; i < Integer.parseInt(studentNum); i++) {

            System.out.print("ID: ");

            student[i][0] = stdid.readLine();

            System.out.print("Name: ");

            student[i][1] = stdid.readLine();

            System.out.print("Score: ");

            student[i][2] = stdid.readLine();

        }

        System.out.println("-----");

        for (i = 0; i < Integer.parseInt(studentNum); i++) {

            String stdGarde;

            if (Integer.parseInt(student[i][2]) > 80) {

                stdGarde = "A";

            } else if (Integer.parseInt(student[i][2]) > 70) {

                stdGarde = "B";

            } else if (Integer.parseInt(student[i][2]) > 60) {

                stdGarde = "C";

            } else if (Integer.parseInt(student[i][2]) > 50) {
```

```
        stdGarde = "D";  
    } else {  
        stdGarde = "F";  
    }  
    System.out.println("ID: " + student[i][0] + "\tName: " + student[i][1] + "\tGarde: " + stdGarde);  
}  
}  
}
```

```
c:\Program Files\Java\jdk-10.0.2\bin>java p  
Enter student: 1  
ID: 6008111008  
Name: Noraphat Norasak  
Score: 60  
-----  
ID: 6008111008   Name: Noraphat Norasak   Garde: D
```

2.TAX

```
import java.io.*;
```

```
public class p {
```

```
    public static void main(String args[]) throws IOException {
```

```
        BufferedReader stdid = new BufferedReader(new InputStreamReader(System.in));
```

```
        int i;
```

```
        String taxNum;
```

```
        System.out.print("How many calculate: ");
```

```
        taxNum = stdid.readLine();
```

```
        String tax[][] = new String[Integer.parseInt(taxNum)][3];
```

```
        for (i = 0; i < Integer.parseInt(taxNum); i++) {
```

```
            System.out.print("EmployeeID: ");
```

```
            tax[i][0] = stdid.readLine();
```

```
            System.out.print("Employee: ");
```

```

tax[i][1]=stdid.readLine();

        System.out.print("Salary: ");

tax[i][2]=stdid.readLine();

    }

System.out.println("-----");

for(i = 0; i < Integer.parseInt(taxNum); i++) {

    double vat;

    if (Integer.parseInt(tax[i][2]) <= 5000) {

        vat = (Integer.parseInt(tax[i][2]) * 4) / 100;

    } else if (Integer.parseInt(tax[i][2]) >= 5000 && Integer.parseInt(tax[i][2]) >= 9999) {

        vat = (Integer.parseInt(tax[i][2]) * 8) / 100;

    } else if (Integer.parseInt(tax[i][2]) >= 10000 && Integer.parseInt(tax[i][2]) >= 19999) {

        vat = (Integer.parseInt(tax[i][2]) * 10) / 100;

    } else if (Integer.parseInt(tax[i][2]) >= 20000 && Integer.parseInt(tax[i][2]) >= 29999) {

```

```

        vat = (Integer.parseInt(tax[i][2])*13)/100;

    } else {

        vat = (Integer.parseInt(tax[i][2])*15)/100;

    }

    System.out.println("EmployeeID: " + tax[i][0] + "\t Employee: " + tax[i][1] + "\t tax: " + vat);

}

}

}

```

```

c:\Program Files\Java\jdk-10.0.2\bin>java p
How many calculate: 1
EmployeeID: 1419900594741
Employee: Noraphat Norasak
Salary: 900000
-----
EmployeeID: 1419900594741      Employee: Noraphat Norasak      tax: 72000.0

```

3.commission

```
import java.io.*;
```

```
public class p {
```

```
    public static void main(String args[]) throws IOException {
```

```
        BufferedReader stdid = new BufferedReader(new InputStreamReader(System.in));
```

```
        int i;
```

```
        String comNum;
```

```
        System.out.print("How many calculate: ");
```

```
        comNum = stdid.readLine();
```

```
        String com[][] = new String[Integer.parseInt(comNum)][3];
```

```
        for (i = 0; i < Integer.parseInt(comNum); i++) {
```

```
            System.out.print("EmployeeID: ");
```

```
            com[i][0] = stdid.readLine();
```

```
            System.out.print("Employee: ");
```

```
            com[i][1] = stdid.readLine();
```

```

        System.out.print("Salary: ");

        com[i][2] = stdid.readLine();

    }

    System.out.println("-----");

    for (i = 0; i < Integer.parseInt(comNum); i++) {

        double net;

        double salarynet;

        if (Integer.parseInt(com[i][2]) <= 5000) {

            net = 0;

            salarynet = (Integer.parseInt(com[i][2]) + net);

        } else if (Integer.parseInt(com[i][2]) <= 20000) {

            net = (Integer.parseInt(com[i][2]) * 5) / 100;

            salarynet = (Integer.parseInt(com[i][2]) + net);

        } else {

            net = (Integer.parseInt(com[i][2]) * 7) / 100;

            salarynet = (Integer.parseInt(com[i][2]) + net);

```

```
}
```

```
System.out.println("EmployeeID: " + com[i][0] + "\t Employee: " + com[i][1] + "\t com: " +  
salarynet+"\t Bonus "+net);
```

```
}
```

```
}
```

```
}
```

```
c:\Program Files\Java\jdk-10.0.2\bin>java p  
How many calculate: 1  
EmployeeID: 5555555  
Employee: pp  
Salary: 20000  
-----  
EmployeeID: 5555555      Employee: pp      com: 21000.0      Bonus 1000.0
```