

งานมอบหมายที่ 6 (2%)

จงเขียนโปรแกรมรับข้อมูลจากแป้นพิมพ์ลงอาร์เรย์ โดยมี 3 - 5 เขตข้อมูล

แล้วประมวลผลด้วยการนำข้อมูลมาคำนวณ (ในแบบต่าง ๆ)

แสดง header และ footer และแสดงผลการคำนวณในบรรทัดสุดท้าย

ทั้งหมด 3 โปรแกรม (grade, tax, commission, sex)

เสร็จแล้ว เอา code และ output ส่งเข้า [github.com](https://github.com)

1. โปรแกรมคำนวณเกรดรับ 4 ค่า 1.รหัสสนศ. 2.ชื่อ 3.ชื่อวิชา 4.คะแนน

```
=====
=Tax Java Array Calculate Grade =
=====
Student ID
001
*****
NAME
Worawat
*****
Subject
th
*****
Score
80
001 Worawat th 80 Your grade Is = A

=====
=====END PROCESS=====
=====
```

```
1 import java.io.*;
2 public class T01 {
3     public static void main(String args[]) throws IOException {
4         System.out.println("=====");
5         System.out.println("=Tax Java Array Calculate Grade =");
6         System.out.println("=====");
7         BufferedReader stdin = new BufferedReader(new InputStreamReader(System.in));
8         String a[][] = new String[4][4];
9         System.out.println("Student ID");
10         a[0][1] = stdin.readLine();
11         System.out.println("*****");
12         System.out.println("NAME");
13         a[1][1] = stdin.readLine();
14         System.out.println("*****");
15         System.out.println("Subject");
16         a[2][1] = stdin.readLine();
```

```
17 System.out.println("*****");
18 System.out.println("Score");
19     a[3][1] = stdin.readLine();
20     int score=Integer.parseInt(a[3][1]);
21
22     String grade;
23     if(score>=80){
24         grade="A";
25     }
26     else if(score>=70){
27         grade="B";
28     }
29     else if(score>=60){
30         grade="C";
31     }
32     else if(score>=50){
33         grade="D";
34     }
35     else{
36         grade="F";
37     }
```

```
38     for (int x = 0; x < 4; x++) {
39         System.out.print(a[x][1]+" ");
40     }
41     System.out.println("Your grade Is = "+grade);
42     System.out.println();
43     System.out.println("=====");
44     System.out.println("=====END PROCESS=====");
45     System.out.println("=====");
46
47 }
48 }
```

2. โปรแกรมคำนวณค่าคอมมิสชั่น รับ 4 ค่า 1.รหัสพนักงาน 2.ชื่อ 3.เงินเดือน 4.เงินที่หาได้จากลูกค้า

```
=====
Tax Java Array Calculate Commission=
=====
*****
Employee ID
001
*****
Employee Name
tax
*****
Salary
20000
*****
Money outside.
10000
001 tax 20000 10000
=====
Salary = 20000
Commission = 300.0
Net Income = 20300.0
=====
=====END PROCESS=====
=====
```

```
1 import java.io.*;
2 public class T02 {
3     public static void main(String args[]) throws IOException {
4         System.out.println("=====");
5         System.out.println("Tax Java Array Calculate Commission=");
6         System.out.println("=====");
7         BufferedReader stdin = new BufferedReader(new InputStreamReader(System.in));
8         String a[][] = new String[4][4];
9         System.out.println("*****");
10        System.out.println("Employee ID");
11        a[0][1] = stdin.readLine();
12        System.out.println("*****");
13        System.out.println("Employee Name");
14        a[1][1] = stdin.readLine();
15        System.out.println("*****");
16        System.out.println("Salary");
17        a[2][1] = stdin.readLine();
```

```

18 System.out.println("*****");
19 System.out.println("Money outside.");
20     a[3][1] = stdin.readLine();
21     int salary = Integer.parseInt(a[2][1]);
22     int income = Integer.parseInt(a[3][1]);
23     double comm,vat,net;
24         if(income>15000){
25             vat=0.05;
26         }
27         else if(income<=10000){
28             vat=0.03;
29         }
30         else if(income<=8000){
31             vat=0.02;
32         }
33         else if(income<=7000){
34             vat=0.01;
35         }
36         else {
37             vat=0;
38         }
39         comm=income*vat;
40         net=salary+comm;

```

```

42     for (int y = 0; y < 4; y++) {
43         System.out.print(a[y][1]+" ");
44     }
45     System.out.println();
46     System.out.println("=====");
47     System.out.println("Salary = "+salary);
48     System.out.println("Commission = "+comm);
49     System.out.println("Net Income = "+net);
50     System.out.println("=====");
51     System.out.println("=====END PROCESS=====");
52     System.out.println("=====");
53
54
55 }
56 }

```

3. โปรแกรมคำนวณ เงินฝากอีก 12 เดือนที่จะได้รับ รับ 3 ค่า 1.รหัสลูกค้า 2.ชื่อ 3.เงินที่จะฝาก

```
=====
-Tax Java Array Calculate Deposit 12 month=
=====
*****
Member ID
5808311007
*****
Member Name
Worawat
*****
Deposit $
100000
5808311007 Worawat 100000
=====
Deposit = 100000
Interest earned in the future = 24000.0
Money to be in the future = 124000.0
=====
=====END PROCESS=====
=====
```

```

1  import java.io.*;
2  public class T03 {
3      public static void main(String args[]) throws IOException {
4          System.out.println("=====");
5          System.out.println("Tax Java Array Calculate Deposit 12 month=");
6          System.out.println("=====");
7          BufferedReader stdin = new BufferedReader(new InputStreamReader(System.in));
8          String a[][] = new String[4][4];
9          System.out.println("*****");
10         System.out.println("Member ID");
11         a[0][1] = stdin.readLine();
12
13         System.out.println("*****");
14         System.out.println("Member Name");
15         a[1][1] = stdin.readLine();
16
17         System.out.println("*****");
18         System.out.println("Deposit $");
19         a[2][1] = stdin.readLine();
20         int depos = Integer.parseInt(a[2][1]);
21         double net, rate, fv;
22         rate=0.02;
23         fv=rate*12*depos;
24         net=depos+fv;
25         for (int y = 0; y < 3; y++) {
26             System.out.print(a[y][1]+" ");
27         }
28         System.out.println();
29         System.out.println("=====");
30         System.out.println("Deposit = "+depos);
31         System.out.println("Interest earned in the future = "+fv);
32         System.out.println("Money to be in the future = "+net);
33         System.out.println("=====");
34         System.out.println("=====-END PROCESS=====");
35         System.out.println("=====");
36
37     }
38 }
39

```