

## งานมอบหมายที่ 7 (ไม่พบ ERROR)

```

1  import java.io.*;
2  class T07{
3      public static void main(String args[])throws IOException{
4          System.out.println("1 Java Array Calculate Grade");
5          System.out.println("2 Java Array Calculate Commission");
6          System.out.println("3 Java Array Calculate Deposit 12 month");
7          System.out.println("4 Multiplication");
8          System.out.println("5 Choose Calculations");
9          System.out.println("0 exit");
10         BufferedReader stdin = new BufferedReader(new InputStreamReader(System.in));
11         String buf=stdin.readLine();
12         do{
13             if(buf.equals("1")) {
14                 T01();
15             } else if(buf.equals("2")){
16                 T02();
17             } else if(buf.equals("3")){
18                 T03();
19             } else if(buf.equals("4")){
20                 T04();
21             } else if(buf.equals("5")){
22                 T05();
23             }
24         }while(Integer.parseInt(buf) !=0);
25     }
26     /*-----T01-----*/
27     static void T01() throws IOException {
28         System.out.println("=====");
29         System.out.println("Tax Java Array Calculate Grade =");
30         System.out.println("=====");
31         BufferedReader stdin = new BufferedReader(new InputStreamReader(System.in));
32         String a[][] = new String[4][4];
33         System.out.println("Student ID");
34         a[0][1] = stdin.readLine();
35         System.out.println("*****");
36         System.out.println("NAME");
37         a[1][1] = stdin.readLine();
38         System.out.println("*****");
39         System.out.println("Subject");
40         a[2][1] = stdin.readLine();
41         System.out.println("*****");
42         System.out.println("Score");
43         a[3][1] = stdin.readLine();
44         int score=Integer.parseInt(a[3][1]);
45
46         String grade;
47         if(score>=80){
48             grade="A";
49         }
50         else if(score>=60){
51             grade="C";
52         }
53         else if(score>=50){
54             grade="D";
55         }
56         else{
57             grade="F";
58         }
59
60         for (int x = 0; x < 4; x++) {
61             System.out.print(a[x][1]+" ");
62         }
63         System.out.println("Your grade Is = "+grade);
64         System.out.println();
65         System.out.println("=====");
66         System.out.println("=====END PROCESS=====");
67         System.out.println("=====");
68     }
69 }
70

```

```

71  /*-----T02-----*/
72  static void T02() throws IOException {
73      System.out.println("=====");
74      System.out.println("Tax Java Array Calculate Commission=");
75      System.out.println("=====");
76      BufferedReader stdin = new BufferedReader(new InputStreamReader(System.in));
77      String a[][] = new String[4][4];
78      System.out.println("*****");
79      System.out.println("Employee ID");
80      a[0][1] = stdin.readLine();
81      System.out.println("*****");
82      System.out.println("Employee Name");
83      a[1][1] = stdin.readLine();
84      System.out.println("*****");
85      System.out.println("Salary");
86      a[2][1] = stdin.readLine();
87      System.out.println("*****");
88      System.out.println("Money outside.");
89      a[3][1] = stdin.readLine();
90      int salary = Integer.parseInt(a[2][1]);
91      int income = Integer.parseInt(a[3][1]);
92      double comm,vat,net;
93      if (income>15000){
94          vat=0.05;
95      }
96      else if (income<=10000){
97          vat=0.03;
98      }
99      else if (income<=8000){
100         vat=0.02;
101     }
102     else if (income<=7000){
103         vat=0.01;
104     }
105     else {
106         vat=0;
107     }
108     comm=income*vat;
109     net=salary+comm;
110
111     for (int y = 0; y < 4; y++) {
112         System.out.print(a[y][1]+" ");
113     }
114     System.out.println();
115     System.out.println("=====");
116     System.out.println("Salary = "+salary);
117     System.out.println("Commission = "+comm);
118     System.out.println("Net Income = "+net);
119     System.out.println("=====");
120     System.out.println("=====END PROCESS=====");
121     System.out.println("=====");
122
123
124 }
125 /*-----T03-----*/
126 static void T03() throws IOException {
127     System.out.println("=====");
128     System.out.println("Tax Java Array Calculate Deposit 12 month=");
129     System.out.println("=====");
130     BufferedReader stdin = new BufferedReader(new InputStreamReader(System.in));
131     String a[][] = new String[4][4];
132     System.out.println("*****");
133     System.out.println("Member ID");
134     a[0][1] = stdin.readLine();
135
136     System.out.println("*****");
137     System.out.println("Member Name");
138     a[1][1] = stdin.readLine();
139
140     System.out.println("*****");
141     System.out.println("Deposit $");

```

```

142     a[2][1] = stdin.readLine();
143     int depos = Integer.parseInt(a[2][1]);
144     double net,rate,fv;
145     rate=0.02;
146     fv=rate*12*depos;
147     net=depos+fv;
148     for (int y = 0; y < 3; y++) {
149         System.out.print(a[y][1]+" ");
150     }
151     System.out.println();
152     System.out.println("=====");
153     System.out.println("Deposit = "+depos);
154     System.out.println("Interest earned in the future = "+fv);
155     System.out.println("Money to be in the future = "+net);
156     System.out.println("=====");
157     System.out.println("=====END PROCESS=====");
158     System.out.println("=====");
159
160 }
161
162 /*-----T04-----*/
163 static void T04()throws IOException{
164     System.out.println("=====");
165     System.out.println("=Tax Java Multiplication=");
166     System.out.println("=====");
167     BufferedReader stdin= new BufferedReader(new InputStreamReader(System.in));
168     System.out.print("Enter multiplication table : ");
169     String buf=stdin.readLine();
170     int i = Integer.parseInt(buf);
171     int a=1;
172     while(a<=12){
173         System.out.println(i+"*"+a+"= "+i*a);
174         a++;
175     }
176 }
177
178 /*-----T05-----*/
179 static void T05()throws IOException{
180     System.out.println("=====");
181     System.out.println("=Tax Java Choose Calculations=");
182     System.out.println("=====");
183     BufferedReader stdin= new BufferedReader(new InputStreamReader(System.in));
184     String a[][] = new String[1][3];
185     System.out.print("Number1 : ");
186     a[0][0] = stdin.readLine();
187     System.out.print("Symbol : ");
188     a[0][1] = stdin.readLine();
189     System.out.print("Number2 : ");
190     a[0][2] = stdin.readLine();
191     double x=0;
192     if(a[0][1].equals("+")){
193         x = Double.parseDouble(a[0][0])+Double.parseDouble(a[0][2]);
194     }
195     else if(a[0][1].equals("-")){
196         x = Double.parseDouble(a[0][0])-Double.parseDouble(a[0][2]);
197     }
198
199 }
200 else if(a[0][1].equals("/")){
201     x = Double.parseDouble(a[0][0])/Double.parseDouble(a[0][2]);
202 }
203 System.out.println("Answer Is : "+x);
204 }
205 }
206

```



## ใช้งานและแสดงผล

```
C:\Program Files\Java\jdk-10.0.2\bin>java T07
1 Java Array Calculate Grade
2 Java Array Calculate Commission
3 Java Array Calculate Deposit 12 month
4 Multiplication
5 Choose Calculations
0 exit
1
```

```
=====
=Tax Java Array Calculate Grade =
=====
```

```
Student ID
```

```
C:\Program Files\Java\jdk-10.0.2\bin>java T07
1 Java Array Calculate Grade
2 Java Array Calculate Commission
3 Java Array Calculate Deposit 12 month
4 Multiplication
5 Choose Calculations
0 exit
2
```

```
=====
=Tax Java Array Calculate Commission=
=====
```

```
*****
```

```
Employee ID
```

```
C:\Program Files\Java\jdk-10.0.2\bin>java T07
1 Java Array Calculate Grade
2 Java Array Calculate Commission
3 Java Array Calculate Deposit 12 month
4 Multiplication
5 Choose Calculations
0 exit
3
```

```
=====
=Tax Java Array Calculate Deposit 12 month=
=====
```

```
*****
```

```
Member ID
```

```
C:\Program Files\Java\jdk-10.0.2\bin>java T07
1 Java Array Calculate Grade
2 Java Array Calculate Commission
3 Java Array Calculate Deposit 12 month
4 Multiplication
5 Choose Calculations
0 exit
4
```

```
=====
-Tax Java Multiplication=
=====
Enter multiplication table :
```

```
C:\Program Files\Java\jdk-10.0.2\bin>java T07
1 Java Array Calculate Grade
2 Java Array Calculate Commission
3 Java Array Calculate Deposit 12 month
4 Multiplication
5 Choose Calculations
0 exit
5
```

```
=====
-Tax Java Choose Calculations=
=====
Number1 :
```