

九九乘法表

```
1 //九九乘法表
2
3 public class MulFor01 {
4     //main
5     public static void main(String[] args){
6         int start = 1;
7         int end = 9;
8         for(int i = start; i <= end; i++){
9             for(int j = start; j<= i; j++){
10                 System.out.print(j + " * " + i + " = " + i*j +"\t");
11             }
12             System.out.println();
13         }
14     }
15 }
```

####

计分程序

```
1 import java.util.Scanner;
2
3
4 public class MulFor02 {
5     //main
6     public static void main(String[] args){
7         //统计3个班成绩情况，每个班有5名同学，求出每个班的平均分和所有班级的平均分
8         Scanner gradeScanner = new Scanner(System.in);
9         int classNum = 3;
10        int classStuNum = 5;
11        int allClassSum = 0;
12        int passNum = 0;
13        double allClassAvg = 0;
14
15        for (int i = 1; i<=classNum; i++){
16            int sum = 0;
17            double avg = 0;
18            int grade = 0 ;
19            System.out.println(i+"班成绩输入");
20            for(int j = 1; j<= classStuNum; j++){
21                System.out.println("请输入学号为"+j+"同学的成绩:");
22                grade = gradeScanner.nextInt();
23                sum += grade; //此班级总分
24                //判断及格人数
25                if(grade>=60){
26                    passNum++;
27                }
28            }
29        }
30    }
31 }
```

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28         }
29
30         allClassSum += sum; //所有班级总分
31         avg = sum / classStuNum; //此班级的平均分
32         System.out.println(i + "班的总成绩为: " + sum + "\n" + "平均成绩为:
"+avg);
33     }
34     allClassAvg = allClassSum / (classNum * classStuNum);
35     System.out.println("所有班级的平均成绩为: " + allClassAvg);
36     System.out.println("所有班级及格人数有: " + passNum);
37 }
38 }

```

金字塔

```

1 //打印金字塔
2 import java.util.Scanner;
3
4 public class Stars {
5     //main
6     public static void main(String[] args){
7         int start = 1;
8         Scanner starsScanner = new Scanner(System.in);
9         System.out.print("请输入金字塔的层数:");
10        int totalLevel = starsScanner.nextInt();
11        int space = totalLevel;
12        //实心金字塔
13        // for (int i = start ; i <= totalLevel; i++){
14        //     for (int x = 1; x < space; x++){
15        //         System.out.print(" ");
16        //     }
17        //     space--;
18        //     for (int j = start; j <= (2*i-1) ; j++ ) {
19        //         System.out.print("*");
20        //     }
21        //     System.out.println();
22        // }
23
24        //空心金字塔
25        for (int i = start ; i <= totalLevel; i++){
26            for (int x = 1; x < space; x++){
27                System.out.print(" ");
28            }
29            space--;
30            for (int j = start; j <= (2*i-1) ; j++ ) {
31                //自己做的办法
32                if(i == start || i == totalLevel){
33                    System.out.print("*");

```

```
34         }else{
35             System.out.print("*");
36             for (int k = 1 ; k<= (2*i-1)-2 ; k++ ){
37                 System.out.print(" ");
38             }
39             System.out.print("*");
40             break;
41         }
42         //老师演示的
43         // if (j == 1 || j == (2*i-1) || i == totalLevel){
44         //     System.out.print("*");
45         // }else{
46         //     System.out.print(" ");
47         // }
48     }
49     System.out.println();
50 }
51 }
52 }
```