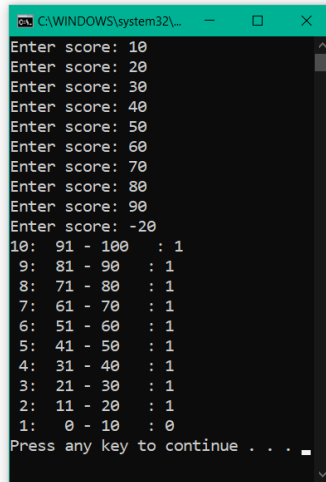


# 11D

```
1 import java.util.Scanner;
2 class Array11D {
3     public static int getScore(double[] sc){
4         int k = 0;
5         System.out.print("Enter score: ");
6         Scanner kdb = new Scanner(System.in);
7         double score = kdb.nextDouble();
8         while (score >= 0.0 && score <= 100 && k < sc.length){
9             sc[k] = score;
10            k++;
11            System.out.print("Enter score: ");
12            score = kdb.nextDouble();
13        }
14        return k;
15    }
16    public static void tallyScore(int n, int[] T, double[] sc){
17        int k;
18        for (int i = 0; i < n; i++){
19            if (sc[i] >= 91) k = 10;
20            else if (sc[i] >= 81) k = 9;
21            else if (sc[i] >= 71) k = 8;
22            else if (sc[i] >= 61) k = 7;
23            else if (sc[i] >= 51) k = 6;
24            else if (sc[i] >= 41) k = 5;
25            else if (sc[i] >= 31) k = 4;
26            else if (sc[i] >= 21) k = 3;
27            else if (sc[i] >= 11) k = 2;
28            else if (sc[i] >= 1) k = 1;
29            else k = 0;
30            T[k] = T[k] + 1;
31        }
32    }
33    public static void showTally(int[] T){
34        for(int k = 0; k >= 0; k--){
35            if(k != 0)
36                System.out.printf("%2d: %2d : %2d\n",k+1, (k*10)+1, (k+1)*10, T[k]);
37            else
38                System.out.printf("%2d: %2d : %2d\n",k+1, 0, 10, T[k]);
39        }
40    }
41    public static void main(String[] args) {
42        int[] T = new int[10];
43        double[] score = new double[100];
44        int n = getScore(score);
45        tallyScore(n, T, score);
46        showTally(T);
47    }
48 }
```

----- Java Compile -----  
Picked up JAVA\_TOOL\_OPTIONS: -Dfile.encoding=UTF-8  
Output completed (0 sec consumed) - Normal Termination



```

import java.util.Scanner;
class Array11D {
    public static int getScore(double[] sc) {
        int k = 0;
        System.out.print("Enter score:");
        Scanner kbd = new Scanner(System.in);
        double score = kbd.nextDouble();
        while (score >= 0.0 && score <= 100 && k < sc.length) {
            sc[k] = score;
            k++;
            System.out.print("Enter score:");
            score = kbd.nextDouble();
        }
        return k;
    }

    public static void tallyScore(int n, int[] T, double[] sc) {
        int k;
        for (int i = 0; i < n; i++) {
            if (sc[i] >= 91) k = 10;
            else if (sc[i] >= 81) k = 9;
            else if (sc[i] >= 71) k = 8;
            else if (sc[i] >= 61) k = 7;
            else if (sc[i] >= 51) k = 6;
            else if (sc[i] >= 41) k = 5;
            else if (sc[i] >= 31) k = 4;
            else if (sc[i] >= 21) k = 3;
            else if (sc[i] >= 11) k = 2;
            else if (sc[i] >= 1) k = 1;
            else k = 0;
            T[k] = T[k] + 1;
        }
    }

    public static void showTally(int[] T) {
        for (int k = 9; k >= 0; k--) {
            if (k != 0)
                System.out.printf("%-2d: %-2d %-2d\n", k+1, (k*10)+1, (k+1)*10, T[k]);
            else
                System.out.printf("%-2d: %-2d %-2d\n", k+1, 0, 10, T[k]);
        }
    }

    public static void main(String[] args) {
        int[] T = new int[10];
        double[] score = new double[100];
        int n = getScore(score);
        tallyScore(n, T, score);
        showTally(T);
    }
}

```

10:	91 - 100	: 1
9:	81 - 90	: 1
8:	71 - 80	: 1
7:	61 - 70	: 1
6:	51 - 60	: 1
5:	41 - 50	: 1
4:	31 - 40	: 1
3:	21 - 30	: 1
2:	11 - 20	: 1
1:	0 - 10	: 0