
Nested Loops and Files

Integer Square

- Write a program that will ask the user for an integer from 0-9 and then draw a square based on that input. For example:

Enter an integer: 3
333
333
333

Enter an integer: 6
666666
666666
666666
666666
666666
666666

Integer Triangle

- Write a program that will ask the user for an integer from 0-9 then draw a right triangle based on that number. You must also calculate the sum of each row of the triangle.

Enter an integer: 3
1 sum: 1
22 sum: 4
333 sum: 9

Enter an integer: 6
1 sum: 1
22 sum: 4
333 sum: 9
4444 sum: 16
55555 sum: 25
666666 sum: 36

Rainfall Example

- Write a program that reads in the weekly rainfall data for multiple cities from a file. The first line of the file contains the number of cities. This is followed by a line for each city listing the city name and the rainfall amount for each day that week. For example:

```
2
Portland 1.2 2.3 3.4 1.0 0.0 0.2 1.9
Seattle 2.5 1.7 0.0 0.9 1.6 1.8 1.2
```

Rainfall Example

- You should output a table showing each city, and the total rainfall for the city for that week. The output must look like the following:

```
City Weekly Rainfall
-----
Portland 10.0
Seattle 9.7
```
