For/While/DoWhile Loop

C++

```cpp
#include <iostream>
#include <string>
using namespace std;
int main(){
    int i;
    float temp;
    float totalTemp, average;
    string arr[12] = {"January","February","March","April","May","June","July","August","September","October","November","December"}; // This array should save space once we get to the loop.
    for(i = 0; i <= 11; i++){
        cout << "Enter the temperature of " << arr[i] << " in Celsius. ";
        cin >> temp;
        totalTemp += temp;
    }
    average = totalTemp/12;
    cout << "Averave temperature of this year: " << average;
}
```

```
Enter the temperature of January in Celsius. 32
Enter the temperature of February in Celsius. 31
Enter the temperature of March in Celsius. 34
Enter the temperature of April in Celsius. 32
Enter the temperature of May in Celsius. 34
Enter the temperature of June in Celsius. 32
Enter the temperature of July in Celsius. 33
Enter the temperature of August in Celsius. 31
Enter the temperature of September in Celsius. 32
Enter the temperature of October in Celsius. 29
Enter the temperature of November in Celsius. 28
Enter the temperature of December in Celsius. 30
Averave temperature of this year: 31.5
```

C#

```
1   // See https://aka.ms/new-console-template for more information
2   using System;
3   namespace monthlyTemp{
        0 references
4       internal class monthlyTemp{
            0 references
5           static void Main(string[] args){
6               int i = 0;
7               float totalTemp = 0;
8               float temp;
9               float average = 0;
10              string[] year = {"January","February","March","April","May","June","July","August","September","October","November",
                "December"}; // This array should save space here.
11              while(i < year.Length){
12                  Console.WriteLine("Enter the temperature of " + year[i] + " in Celsius.");
13                  temp = float.Parse(Console.ReadLine());
14                  totalTemp += temp;
15                  i++;
16              }
17              average = totalTemp / (float)12;
18              Console.WriteLine("Average temperature of this year: " + average);
19          }
20      }
21  }
```

```
Enter the temperature of January in Celsius.
32
Enter the temperature of February in Celsius.
31
Enter the temperature of March in Celsius.
33
Enter the temperature of April in Celsius.
32
Enter the temperature of May in Celsius.
34
Enter the temperature of June in Celsius.
33
Enter the temperature of July in Celsius.
32
Enter the temperature of August in Celsius.
34
Enter the temperature of September in Celsius.
31
Enter the temperature of October in Celsius.
32
Enter the temperature of November in Celsius.
28
Enter the temperature of December in Celsius.
29
Average temperature of this year: 31.75
```

Java

```java
import java.util.Scanner;
public class App {
    public static void main(String[] args) throws Exception {
        Scanner sc = new Scanner(System.in);
        int i = 0;
        float totalTemp = 0;
        String[] year = {"January","February","March","April","May","June","July","August","September","October","November",
        "December"}; // This should save space on the code.
        do{
            System.out.println("Enter the temperature of " + year[i] + " in Celsius.");
            float temp = sc.nextInt();
            totalTemp += temp;
            i++;
        }while(i < 12);
        float average = totalTemp / 12;
        System.out.println("Average temperature of this year: " + average);
    }
}

```

```
Enter the temperature of January in Celsius.
32
Enter the temperature of February in Celsius.
33
Enter the temperature of March in Celsius.
32
Enter the temperature of April in Celsius.
33
Enter the temperature of May in Celsius.
34
Enter the temperature of June in Celsius.
34
Enter the temperature of July in Celsius.
32
Enter the temperature of August in Celsius.
33
Enter the temperature of September in Celsius.
31
Enter the temperature of October in Celsius.
30
Enter the temperature of November in Celsius.
28
Enter the temperature of December in Celsius.
28
Average temperature of this year: 31.666666
```