



F27SA Software Development 1 Lab – Week 7



F27SA Week 7

Checkout Initial Code from Gitlab

First of all, check out the initial code stubs for these exercises from Gitlab into Eclipse. If you don't know how to do this, watch the video guides from Week 1.

The Gitlab project link for these exercises is:

https://gitlab-student.macs.hw.ac.uk/F27SA_2022-23/F27SA_2022-23_Week-7-Lab-Exercises

In this week's lab, we need to build the following methods:

```
void displayWelcomeMessage()

void getTemperatureFomUser(Scanner scan, String[] months, double[] temperatures)

void displayHottestMonth(String[] months, double[] temperatures)

void displayColdestMonth(String[] months, double[] temperatures)

double calculateMeanTemperature(double[] temperatures)
```

You can make decision about the parameters of each method.

Sample Output

Welcome to HW temperature reader

```
Enter the average temperature for the month of Jan.> 15
Enter the average temperature for the month of Feb.> 20
Enter the average temperature for the month of Mar.> 25
Enter the average temperature for the month of Apr.> 30
Enter the average temperature for the month of May> 40
Enter the average temperature for the month of June> 45
Enter the average temperature for the month of July> 50
Enter the average temperature for the month of Aug.> 52
Enter the average temperature for the month of Sept.> 44
Enter the average temperature for the month of Oct.> 32
Enter the average temperature for the month of Nov.> 25
Enter the average temperature for the month of Dec.> 20
```

The hottest month of the year was Aug. with a temperature of 52.0°C
The coldest month of the year was Jan. with a temperature of 15.0°C
the average temperature of the year is 33.16666666666664°C