

**Date Released:**

Saturday, January 20, 2024 - 08:00 pm

**Due Date:**

Monday, January 22, 2024 - 11:59pm

## Coding Assignment - II

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### Read the Instructions Carefully

“Ataa Gob3” is one of the most popular food joints around Engineering gate. Most students go there to enjoy their delicious “gob3”. The common food combination used by students is beans & gari (BG), ripe plantain (RP), plain rice (PR), and an egg.

Sister Ataa, the owner of the food joint, wants to know how much sales she’s expected to make within the week (Monday – Friday) if she decides to offer a discount of 5.5% on any food bought. Table 1 shows the average number of students who visit her food joint on a daily basis and the combinations used.

As an engineering student, you are required to help Sister Ataa by writing a simple computer program to give her an idea of how much she is expected to make within the week.

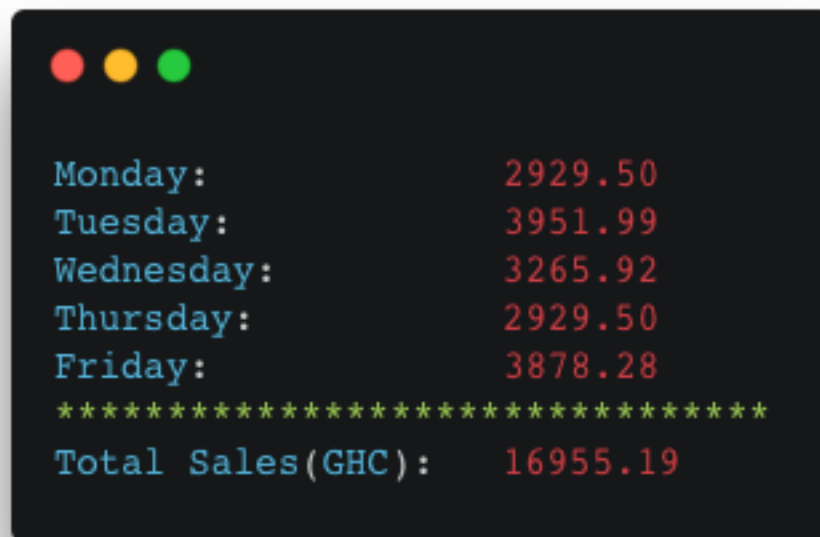
Table 1: Average number of students who visit the food joint within the week and the combinations used.

Day	BG (GHC)	RP (GHC)	PR (GHC)	Average Number of Students
Monday	2	1	2	500
Tuesday	3	2	2	510
Wednesday	2.5	2	1.5	480
Thursday	1.5	2	1.5	500
Friday	2	2	2	570

### Coding Specifications:

1. The price of an egg is GHC 1.2 .
2. Your program should work as shown in the figure below. All computed operations should be formatted to 2 decimal places (2 dp).

**Hints:** Learn about **fprintf** and use it to display the following format.

A terminal window with a dark background and three colored window control buttons (red, yellow, green) at the top left. The output is displayed in a monospaced font with color coding: days of the week are in blue, prices are in red, and the separator line is in yellow.

```
Monday:                2929.50
Tuesday:               3951.99
Wednesday:            3265.92
Thursday:              2929.50
Friday:                3878.28
*****
Total Sales(GHC):      16955.19
```

### How to upload your code

1. Click [here](#) to upload your assignment.
2. Your **.m** file should be named **firstname\_indexnumber**. Example **justice\_181211.m**
3. Failure to use the correct format in naming your file will lead to your code not being graded.