

DEPARTMENT OF ICT, CFS IIUM  
SEMESTER 2, SESSION 2021/2022ICT0525 – INTRO. TO PROGRAMMING  
ASSIGNMENT 2 (24 marks)

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**QUESTION:**

Kolej Komuniti Paya Besar offers four courses as shown in the table below:

Course Name	Course Fee (RM)	Maximum Class Size	Current Class Size
Interior Design	330.00	30	12
Culinary	125.00	30	10
Games Art	520.00	30	30
Fashion	350.00	60	59

1. Store the data above in **FOUR(4)** arrays:
  - A two-dimensional character array named `Course_Name`
  - A one-dimensional floating-point array named `Fee`
  - Two one-dimensional integer arrays named `Maximum` and `Minimum`
2. Write a program that fulfils the following requirements.
  - `Menu()` function will use the arrays to display the courses offered. User will enter a choice of course to enroll.
  - `Check()` function will check the current class size. If the class is already at the maximum capacity, a message will be displayed to inform that the class is full. Otherwise, the program will display the course fee, and then will update and display the new class size.

**Sample output:**

```
Welcome to Kolej Komuniti Paya Besar
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You may choose from the following Course:
1. Interior Design
2. Culinary
3. Games Art
4. Fashion
Choose course to enroll: 8
Please try again.
Choose course to enroll: 2
Fee amount is RM125.00
Class size is now 11
```

Do you want to continue?: y

Welcome to Kolej Komuniti Paya Besar

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You may choose from the following Course:

1. Interior Design

2. Culinary

3. Games Art

4. Fashion

Choose course to enroll: 3

Course chosen is already FULL

Do you want to continue?: N

Press any key to continue...

**\*\*Your program MUST HAVE at least THREE(3) appropriate sub-functions.**

**Draw the flowchart only for the main() function.**