**CS127-5L: Computer Programming 2 Laboratory**
**Machine Problem #4: Pointers**

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| **Name:** | **Carreon, Ma. Addine Anne T.** | **Score:** |
| **Section:** | **A35** | **Date: 03-30-2023** |

**Instructions:**

1. Save your file as Surname_Firstname_MP4. Ex. Isip_MP4.cpp

2. You will submit the following and send it to BB .

   a. PDF file of Machine Problem 1 provided with the screenshot of your answers (Sample Run)
   b. C++ script with .cpp extension.

3. Your program must have comments for each section.
   Header Comments:

   Write a description of the program.
   Written by: Cheryl Mari M. Isip
   Date: March 30, 2023
   Time: 7:30am
   Program: BSCPE
   Course: CS127-5L
   Section: A35
   School: Mapua University

**EXERCISE**

Write a C++ program that declares three one-dimensional arrays name miles, gallons and mpg. Each array should be capable of holding 10 elements.

In the miles array, store the numbers: 240.5, 300.0, 189.6, 310.6, 280.7, 216.9, 199.4, 160.3, 177.4 and 192.3.

In the gallons array, store the numbers 10.3, 15.6, 8.7, 1.4, 16.3, 15.7, 14.9, 10.7, 8.3 and 8.4.

Each element of the mpg array should be calculated as the corresponding element of the miles array divided by the equivalent element of the gallons array: for example, mpg [0] = miles [0] / gallons [0].

Use pointers when calculating and displaying the elements of the mpg array.

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Take a screenshot and paste your output: