
CSCI203 Algorithm and Data Structures
Lab Assg 1
July Session 2019

Objectives

- To practice solving problems using array
- To practice writing solutions to problems in a clear and succinct way

Problem

Write a program for the following problem statement:

PTR Company has three different branches selling various car dash cam. The manager would like to calculate monthly sales figure for four different dash cam models for all the branches. Create a program that could store all sales figures (unit sold) by each branch and selling price for each model of dash cam. Refer to the following tables:

Example of Unit Sold (monthly) (**UnitSold** array):

Dash Cam model	SJ Branch	PJ Branch	KL Branch
RS Pro with GPS	5	4	3
Transcend Drive Pro	2	2	3
H203 1080P	3	2	5
Pioneer	4	5	3

Dash Cam selling price (**Price** array):

Dash Cam model	Price (RM)
RS Pro with GPS	730
Transcend Drive Pro	850
H203 1080P	150
Pioneer	350

The program stores the unit sold into a two-dimensional array named **UnitSold**. Every month, the user will enter all sales figures (unit sold) while the price of each model is fixed (refer to the **Price** array above).

After all the input process completed, the program will display the following output (based on the table above):

Total gross sales for Branch SJ is: RM ...
Total gross sales for Branch PJ is: RM ...

Total gross sales for Branch KL is: RM ...

The highest sales figure is RM ... by Branch ..

The most popular dash cam model is with unit sold of .. units.

Submission

Upload **ZIP/RAR** document titled **yourname_W04_L1** into the correct submission folder in **Moodle before 11pm** Malaysian time. Late submission will not be accepted.

Your document should contain your source code, screen shots and other necessary files. Show your code and output during lab to receive your marks.

Marking Criteria

(1 mark for correctness, function as required, input/output

1 mark for efficiency, validation, readability, display format)