

CSC 1103 Section 1 & 6 OOP

Lab Test 1

14th & 15th February 2018

Time Allocation: 40 minutes

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1. **(Minutes and Second)** Write a program that prompts the user to enter time in second using Scanner class. The program should be able to produce the minutes and remaining seconds. For example, 400 seconds contain 11 minutes and 40 seconds.
 2. **(Compare cost)** Suppose you shop for rice in two different packages. You would like to write a program to compare the cost. The program prompts the user to enter the weight and price of the each package and displays the one with the better price. Here is a sample run:
Enter weight for package 1: 50
Enter price for package 1: RM 24.59
Enter weight for package 2: 25
Enter price for package 2: RM 11.99
Package 2 has a better price
 3. **(Determine gender)** Write a program that prompts a user to enter the last four digits of their identity card. If the last number is even, display **'female'**. Else, display **'male'**. For example, 6618 will display **'female'** because the last number is 8 and it is an even number.
 4. **(Parking rate)** Write a program that able to calculate the parking rate according to the type of vehicle. The program prompts the user to select their vehicle type and the duration in hour. The rate of the vehicle is shown as follows:

Type of vehicle	Rate in hour
Motorcycle	RM 1.00
Car	RM 5.00
Van	RM 6.00
Bus	RM 8.00
Lorry	RM 10.00

(Note: Use switch-case)