Introduction to Programming HW -1 (Midterm)

1. Write a program that calculates your daily driving cost, so that you can estimate how much money could be saved by car-sharing, which also has other advantages such as reducing carbon emissions and reducing traffic congestion. The program should input the following information and display the user's cost per day of driving to work:
   a) Total kilometers driven per day.
   b) Cost per liter of petrol.
   c) Average kilometer per liter.
   d) Parking fees per day.
   e) Tolls per day
2. Create a BMI calculator program that reads the user's weight in kilogram and height in meter. Then calculates and displays the user's body mass index.

$\mathrm{BMI} = \frac{m}{h^2}$	**BMI**	=	body mass index
	m	=	mass (in kilograms)
	h	=	height (in meters)

3. Write a program that reads two integer and determines and prints whether they are odd or even. Also find the maximum of two number.
4. Write a program that reads in two integers and determines and prints if the first is a multiple of the second. [Hint: Use the modulus operator.]
5. A mail order house sells five different products whose retail prices are: product 1 — BDT 200.75, product 2—345.50, product 3— BDT 775.75, product 4— BDT 400.35 and product 5— BDT
   1200.75. Write a program that reads a series of pairs of numbers as follows:
   a. product number. (**Hint:** 1, 2, 3.. etc. are product number)
   b. quantity sold.

   Your program should calculate and display the total retail value of products sold.