

## Introduction to Programming HW -1 (Midterm)

1. 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.

$\text{BMI} = \frac{m}{h^2}$	<b>BMI</b> = body mass index
	<b>m</b> = mass (in kilograms)
	<b>h</b> = height (in meters)

2. Write a program that reads two integer and determines and prints whether they are odd or even. Also find the maximum of two number.
3. 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.]
4. 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 product5— 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.