Dear All,

Kindly use the following link for making submissions related to Lab-2.

Experiment no 1: WAP to take check if the triangle is valid or not. If the validity is established, do check if the triangle is isosceles, equilateral, right angle, or scalene. Take sides of the triangle as input from a user.

Experiment no 2: WAP to compute the BMI Index of the person and print the BMI values as per the following ranges. You can use the following formula to compute BMI= weight(kgs)/Height(Mts)\*Height(Mts).

|  |  |
| --- | --- |
|  | BMI |
| Starvation | <15 |
| Anorexic | 15.1 to 17.5 |
| Underweight | 17.6 to 18.5 |
| Ideal | 18.6 to 24.9 |
| Overweight | 25 to 25.9 |
| Obese | 30 to 39.9 |
| Morbidity Obese | 40.0 above |

Experiment no 3: WAP to check if three points (x1,y1), (x2,y2) and (x3,y3) are collinear or not.

Experiment No 4: According to the gregorian calendar, it was Monday on the date 01/01/01. If Any year is input through the keyboard write a program to find out what is the day on 1st January of this year.

Experiment 5: WAP using ternary operator, the user should input the length and breadth of a rectangle, one has to find out which rectangle has the highest perimeter. The minimum number of rectangles should be three.

Note: For all the programs, input needs to come from the user.

Thanks,

Pankaj