Assignment 2

1. WAP to Input distance (in km) and convert in meter, centimetre, and inches.
2. WAP to Input 5 subject marks of a student and find total marks and percentage obtained by the student.
3. WAP to input principal, rate, time and calculate Simple Interest. Simple Interest=Principal*Rate*Time/100
4. Body Mass Index (BMI) is a measure of health on weight. It can be calculated by taking your weight in kilograms and dividing by the square of your height in meters. Write a python program that prompts the user to enter a weight in pounds and height in inches and displays the BMI. Note that one pound is 0.45359237 kilograms and one inch is 0.0254 meters.
   Here is a sample run:
   Enter weight in pounds: 95.5
   Enter height in inches: 50
   BMI is 26.8573
5. Write a python program that reads an integer between 100 and 999 and adds all the digits in the integer. For example, if an integer is 672, the sum of all its digits is 15.
6. Write a python program that prompts the user to enter base and height of a right angled triangle and displays its area. The formula for computing the area of a triangle is : ½*base*height
7. Write a Python program to find the largest of three numbers.
8. Write a Python program to check given number is odd or even.
9. Write a python program that takes two positive integers from command line and prints true if either evenly divides the other
10. Write a Python program to calculate the root of the given quadratic equation $ax^2 + bx + c = 0$ for different values of a, b, c. if the discriminant is greater than zero it should print 2 real roots, if it is equal to 0 it should print 1 root and if it is less than zero it should print the message that there is no real roots for the given equation.