

Class-1

Assignment

Q1. Write a Python program to convert temperatures to and from Celsius, Fahrenheit. [Formula: $c/5 = f-32/9$ [where c = temperature in Celsius and f = temperature in Fahrenheit]

Expected Output:

60°C is 140 in Fahrenheit

45°F is 7 in Celsius

Q2. Write a Python program to display astrological sign for a given date of birth.

Ex: Input birthday: 15

Input month of birth (e.g. march, July, etc): may

Your Astrological sign is: Taurus

Q3. Get the difference between a given number and 17, if the number is greater than 17 return double the absolute difference.

Q4. Get a new string from a given string where 'Is' has been added to the front. If the given string already begins with 'Is' then return the string unchanged.

Q5. Python program to solve $(x + y) * (x + y)$

Q6. Future value of a specified principal amount, rate of interest, and a number of years

Q7. Compute the distance between two points

Q8. Sort three inputted numbers without using any conditional or looping statements

Q9. Determine the largest and smallest integers, longs, floats

Q10. Convert true to 1 and false to 0 without using if condition