Innovatus Technologies
Implementing Ideas...

DIPLOMA IMPLANT TRAINING : PYTHON SET 2

(Basic Programs)

- ***In- class Programs***

1. Write a program which takes the number of days as input & convert it into years, months, weeks, & days (hint: consider 365 days for a year, 30 days for a month).
2. Write a program to find the distance between the two points in Cartesian coordinate system.
3. Write a program to find the area of triangle when three sides are given. (Hint: use heron's equation $A = \sqrt{S(S-a)(S-b)(S-c)}$ And S=(a+b+c)/2 , S=Semi –Perimeter)
4. Write a program to find the area of triangle when three points are given.
5. Write a program to solve this equation

$$\frac{(a+b)^{\frac{1}{(x+y)}}}{(x+y)}$$

6. Write a program to solve this equation

$$\frac{\left(\sqrt{(m+n+p)}\right)^{(x+y)}}{\left(\frac{(a+b+c)}{(m+n)}\right)}$$

7. Write a program to solve this equation

$$\left(\frac{b^2}{|c|}\right) + \sqrt{3}A^2 + \sqrt{8B}$$

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- ***Assignment Programs***

8. Write a program which takes number of millimeter and converts them into meters, feets, inches, centimeter and then millimeter.
9. Write a program to find area of triangle when base and heights are given.
10. Write a program to find the simple interest. (SI= PTR/100)

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