**Problem Solving Using Computer Lab Assignment**

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| **Assignment**  **No.** | **Title** | **Week**  **No.** |
| 1. | **Basic Python Programming:**   1. Write a Python program to accept two numbers from the user and calculate addition. 2. Write a Python program to accept two numbers from the user and calculate subtract. 3. Write a Python program to accept two numbers from the user and calculate multiply. 4. Write a Python program to accept two numbers from the user and calculate the divide. 5. Write a Python program to accept sides from the user and find the area of a [Square](http://www.c4learn.com/c-programs/c-program-to-calculate-area-of-square.html), [Rectangle.](http://www.c4learn.com/c-programs/c-program-to-calculate-area-of_13.html) 6. Write a Python program to accept the radius from the user and calculate the area and circumferences of the circle. 7. Write a Python program to accept two numbers from the user and swap between two numbers using a third variable. 8. Write a Python program to accept two numbers from the user and swap between two numbers without using a third variable. 9. Write a Python program that accepts days from the user and calculates the days, months, and years from the total number of days. 10. Write a Python program where x=(a+b)2/(a-b)2 11. Write a Python program where x=2\*(a+b)\*(a-b) 12. Write a python program that will take input temperature as celsius and print Fahrenheit and Kelvin. 13. Write a python program that will take Basic Salary of an employee and print Cash in hand   Hint: DA= 20% of Basic, TA= 5% of Basic, HRA= 10% of Basic.  Salary= Basic + DA + HRA + TA   1. Write a python program that will take Unit price and Quantity of an article and print the cost. 2. Write a python program to generate the following output. 5 10 9. 3. WAP program to print the volume of a cylinder when radius and height of the cylinder is given by user. area=πr2h . 4. WAP that asks your height in centimeters and converts it into foot and inches. 5. Write a program to reverse the digits of any two digit number.Accept the number from the user. 6. Write a python program to calculate the compound interest and the amount for any sum of money for a certain period of time,Take the sum, time period, rate of interest from the user. 7. Write a python program to calculate the mean of some range of values taken from the user. | 1 & 2 |