

	<p>4. Assume a suitable value for distance between two cities (in km). Write a program to convert and print this distance in meters, feet, inches and centimetre.</p> <p>5. Write a program to carry out the following operations on the given set</p> <p style="padding-left: 40px;"><math>s = \{10, 2, -3, 4, 5, 88\}</math></p> <ol style="list-style-type: none"> <li>Number of items in sets s</li> <li>Maximum element in sets s</li> <li>Minimum element in sets s</li> <li>Sum of all elements in sets s</li> <li>Obtain a new sorted set from s, set s remaining unchanged</li> <li>Report whether 100 is an element of sets s</li> <li>Report whether -3 is not an element of sets s.</li> </ol>	
2.	<p>1. Write python program to understand different File handling operations</p> <p>2. Create 3 lists – a list of names, a list of ages and a list of salaries. Generate and print a list of tuples containing name, age and salary from the 3lists. From this list generate 3 tuples – one containing all names, another containing all ages and third containing all salaries.</p>	Module 2
3.	<p>1. Write Python program to implement classes, object, Static method and inner class</p> <p>2. If any integer is given as in input through the keyboard, write a program to find whether it is odd or even number.</p> <p>3. If ages of Ram, Shyam, and Ajay are given as an input through the keyboard, write a program to determine the youngest of the three.</p> <p>4. Write a program that prints square root and cube root of numbers from 1 to 10, up to 4 decimal places. Ensure that the output is displayed in separate lines, with number center-justified and square and cube roots right-justified.</p> <p>5. Write a program to find the factorial value of any number entered through the keyboard.</p> <p>6. Write a program that defines a function count_lower_upper( ) that accepts a string and calculates the number of uppercase and lowercase alphabets in it. It should return these values as a dictionary. Call this function for some sample strings.</p> <p>7. A 5-digit positive integer is entered through the keyboard, write a recursive function to calculate sum of digits of 5-digit number.</p>	Module 3
4.	<p>1. Write Python program to create, append, update, delete records from database using GUI.</p> <p>2. Write Python program to obtain histogram of any image</p> <p>3. Write Python Program to split color image in R,G,B and obtain individual histograms.</p> <p>4. Write Python program for histogram equalization</p> <p>5. Write Python Program for edge detection</p> <p>6. Write Python Program for image segmentation</p> <p>7. Write Python program to implement GUI Canvas application using Tkinter</p> <p>8. Write Python program to implement GUI Frame application using Tkinter</p>	Module 4
5.	<p>1. Write Python program to study define, edit arrays and perform arithmetic operations.</p> <p>2. Write python program to study selection, indexing, merging, joining, concatenation in data frames</p> <p>3. Evaluate the dataset containing the GDPs of different countries to:</p> <ol style="list-style-type: none"> <li>Find and print the name of the country with the highest GDP</li> <li>Find and print the name of the country with the lowest GDP</li> <li>Print text and input values iteratively</li> </ol>	Module 5