

Module 1:

1. Write a Python program to print the sum of two input integer numbers.
2. Write a Python program that accepts n strings from the user and print all strings in a single line with comma separator.

Module 2:

3. Write a Python program to compute sum of digits of a number.
4. Write a Python Program for decimal to binary conversion.
5. Write a Python program to compute the GCD of two positive integers.

Module 3:

6. Write a Python program to count total number of words in a String.
7. Write a Python program to convert a time from 12 hour format (HH:MM:SS AM") to 24 hour format.
8. Write a Python program to check if a given string contains all unique characters or not.
9. Write a Python that accepts your full name and display in short form. (Hints: Input is "Sachin Ramesh Tendulkar" and output is "S. R. Tendulkar").

Module 4:

10. Write a Python program to remove duplicates elements from a list.
11. Write a Python program to put Even and Odd Numbers in separate list.
12. Write a Python program to find Second Largest Number in a List.

Module 5:

13. Write a Python program to convert a list of Tuples into Dictionary.
14. Write a Python program to create a list of tuples from given list having number and its cube in each tuple. Hints: Input = [4, 1, 6, 2], Output = [(4, 64), (1, 1), (6, 216), (2, 8)]

Module 6:

15. Write a Python program to Map two lists (one is roll number and other one is name) into a Dictionary.
16. Write a Python program that accepts roll numbers and names from the user and add these items into dictionary. Check if a given key exists in a dictionary or not. Remove a given Key from a dictionary.

Module 7:

17. Write a Python function to find the factorial of a given number.
18. Write a Python Function which returns nth largest element.
19. Write a Python program using a function to print all prime factors of a given number.
20. Write a Python program for recursive binary search function.

Module 8:

21. Write a Python program to copy odd lines from one file to another.
22. Write a Python program to write names and roll numbers of your friends in a file, then print names of your friends for a given range of roll numbers.