

1. Write a program to find greatest of four number entered by user.
2. Write a program to find out whether a student is pass or fail by entered marks of 5 subjects and pass percentage is greater than equal to 40%.
3. Write a program to find whether an email contains spam text.
4. Write a program to find out whether given username contains less than 10 characters or not.
5. Write a program to find out whether a given name is present in a list or not.
6. Write a program to find whether a given post is talking about "Someone" or not.
7. Write a program that asks the user to enter an integer n and displays all the divisors of this number.
8. Write a program in Python which asks the user to enter an integer n and to display the multiplication table of this number.
9. Write a program to greet all the persons whose names in a list which start with S.  
List=["vipin","hamid","sapna","michael","shoaib","shreya","aadil"]
10. Write a program that asks the user to enter an integer n and sends back the message indicating whether the number is prime or not
11. Write a python program (use function) which takes as argument two integers m and n which returns the list of all divisors common to m and n .
12. Write a python program (use function) that takes an integer n as an argument and returns the largest and smallest prime integer less than or equal to n.
13. Write a program to find the sum of first n natural numbers using both while and for loop.
14. Write a program to find factorial of a given number using for loop.
15. Write a program to print the following star pattern.

```

*
**          n=3 or 4
***
****

```

16. Write an python program which asks the user to enter an integer n and to display a triangle of stars with the number of rows the integer n typed by the user as shown in the following design:

```

*
**
***
****

```

17. Write a program to print the following star pattern.

```

*
**
***
****

```

18. Write a python program that displays an inverted triangle formed by the digits 0, 1, 2, ... 9 as shown below

```

1 2 3 4 5 6 7 8 9 10
2 3 4 5 6 7 8 9 10
3 4 5 6 7 8 9 10
4 5 6 7 8 9 10
5 6 7 8 9 10
6 7 8 9 10
7 8 9 10
8 9 10
9 10
10

```

19. Write a program to print the following star pattern.

```

* * *
*  *
* * *

```

20. Write a program to print multiplication table of n using for loop in reversed order.

21. Write a python algorithm that displays a triangle of stars as shown

```
*
**
***
****
*****
****
***
**
*
```

22. Write a program to calculate sum of first n natural numbers using recursive function.

23. Write a python program which asks the user to enter an integer n and to display an inverted triangle of stars with the number of rows the integer n typed by the user as shown in the following design:

```
***
**
*
```

24. Write a program to remove a given word from a list and strip it at the same time.

25. Write a function in python which takes as arguments two integers a and b and which returns the LCM of a and b without using any predefined function in python

26. Write a program to find to display a user entered name followed by "Good Afternoon" using input () function.

27. Write a program to fill in a letter template given below with name and date.

Letter=" "

28. Write a program to convert a given string to all uppercase if it contains at least 2 uppercase characters in the first 4 characters

29. Write a program to display for a given string, the number of occurrences of each character in the string including special characters.

30. Write a program to find double spaces in a string. Replace that double space with single space.

31. Write a program that asks the user to type in a word and send back whether it's a palindrome or not?

32. Write a program to get a new string by using the first and the last character of a given input string.

33. Write a Python program that calculates ascii value of each character (exclude spaces) in a given string and sums up them.

34. Write a program that calculates the ascii value of odd indexed characters of a given string (exclude spaces) and then do multiplication of them.

35. Write a program that compares two lists and tells us if these two lists have a common value or not.

36. Write a function which takes as argument a string of characters and then returns the number of lowercase and uppercase characters contained in the string .

37. Write a program that allows you to transform an url address entered by you into a hypertext link.

38. Write a program to store seven thing in a list entered by user.

39. Write a program to sort the inputted seven things using list.

40. Write a program to find number of zeroes in a tuple.

41. Write a program to check whether list and tuple support item assignment.
42. Write a program in Python allowing to realize the symmetric difference of two lists
43. write a program which takes a list L of numbers as a parameter and which returns the list (min , max) formed from the minimum and the maximum of the list.
44. Write a program which takes as a parameter a couple (L, a) formed by a list L and an element a and which returns whether the element is present or not and also the position of the element a in the list L. It return -1 if element is not present in the list.
45. Given a list of integers L, write a python program which returns a list of pairs (n, m) satisfying  $n + m < 10$  with m and n belong to L
46. Write a Python program which takes two lists as parameters and returns the list of elements common to these two lists.
47. Write a program which takes as a parameter a couple (L, n) formed by a list L of numbers and an integer n and which returns the list obtained from L by multiplying its elements by n . (Use functions)
48. Write a python program which takes a list as parameters and returns a tuple of two lists (even, odd) where even tuple is made up of the elements of list with even index and old tuple is made up of the elements with an odd index .