

1. **Write a Python program to find the sum of all numbers stored in a list.**
2. **Write a Python program to count the number of vowels in a string.**
3. **Develop a Python program to find the factorial of a number.**
4. **Create a Python program to convert Celsius to Fahrenheit.**
5. **Simple Calculator:** Create a program that takes two numbers from the user and performs addition, subtraction, multiplication, and division operations.
6. **Word Frequency Counter:** Write a Python program that takes a string as input and counts the frequency of each word in the string.
7. **Palindrome Checker:** Write a function that checks whether a given string is a palindrome or not (a palindrome is a word, phrase, number, or other sequence of characters that reads the same forward and backward).
8. Develop a Python program to find the largest and smallest elements in a list.
9. Develop a Python program to reverse a given list.
10. Write program to print 100 to 200 numbers in steps of 7.

Output:

100 107 114 121 128 135 142 149 156 163 170 177 184 191 198

Hint: Use the 'range' or 'xrange' functions and for loop.

11. Kapil just received his examination marks for all subjects. In his hurry, he forgot to check his grade for each subject. He is also too worried to calculate his grades.

Write a program to take the marks in each subject and print out the grade for that subject.

- If the marks are less than 35, the grade is F.
- If the marks are 35 or above and less than 60, the grade is C.
- If the marks are above 60 and below 80, the grade is B.
- If the marks are 80 or above, the grade is A.

Marks can have up to 2 decimal places. Marks should be rounded to the nearest whole number before a grade is declared.

Your program should accept marks in each subject on a separate line and print the grade for each line.

Example:34.72

35

34

45.63

80.23

79.46

Output: C

C

F

C

A

B

12. Picnic Boat Ride Order

Five friends are enjoying a picnic outing. They are about to take a boat ride that only one person can take at a time. After an argument about who should go first, they agree to take the boat ride in alphabetical order of their names.

Write a program to take their names, each on one line, and print them back in sorted order.

Example:

Input: anil

rahim

harita

babu

kapila

Output : *anil*

babu

harita

kapila

rahim

13. Ramu's Birthday Sweets Distribution

Five-year-old Ramu is distributing sweets on his birthday. He wants to distribute one sweet to each of his classmates. However, his classmates each want more than one and will trick him. So, Ramu enters into his computer the name of the person as soon as he gives a sweet to that person.

Write a program to take a list of names and print how many sweets each person received.

Input will consist of one name on each line. End of input is marked by a blank line or EOF. You should output one line for each name. The line should contain the name followed by a space followed by the number of times the person took the sweet.

Example:

Input : *hari*

babu

ramu

babu

babu

Ramu

Output

hari: 1

babu: 3

ramu: 2