

26. Write a program that accepts a string and counts the occurrence of a particular character.

```
input_string = input('Enter a text')
print(input_string)
input_string.count('a')
```

```
↗ Enter a textLearning is everyday practice
Learning is everyday practice
3
```

27. How would you convert user input to lowercase using input()

```
user_input = input('Enter user input:')
print(user_input.lower())
```

```
↗ Enter user input:Test12345
test12345
```

28. Write a program that accepts a number and prints whether it is a multiple of 10.

```
input_number = int(input('Enter a number'))
print('Multiple of 10' * ((input_number % 10) == 0))
```

```
print('not a Multiple of 10' * ((input_number % 10) != 0))
```

```
↗ Enter a number4
not a Multiple of 10
```

29. How would you check if a string entered by the user contains only alphabets using input()?

```
input_user = input('Enter user input')
print('Input has only alphabets' * (input_user.isalpha()))
print('Input is of alpha numeric' * (input_user.isalpha() == False))
```

```
↗ Enter user inputTest
Input has only alphabets
```

30. Write a program to count the number of words in a sentence entered by the user.

```
input_words = input('Enter the sentence :')
words_list = input_words.split(' ')
print(f'Number of words in sentence : {len(words_list)}')
```

```
↗ Enter the sentence :This is a book
Number of words in sentence : 4
```

32. Write a program that checks if the entered number is divisible by both 3 and 5.

```
input_number = int(input('Enter a input :'))
print("Given number is divisible by both 3 and 5" * int((input_number % 3 == 0 and input_number % 5 == 0) == True))
print("Given number is not divisible by both 3 and 5" * int((input_number % 3 == 0 and input_number % 5 == 0) == False))
```

```
↗ Enter a input :135
Given number is divisible by both 3 and 5
```

33. Write a program to swap the values of two variables using input().

```
a = input('Enter value of a :')
b = input('Enter value of b :')

a,b = b,a
print('After swap value of a : ' + a )
print('After swap value of b : ' + b )
```

```
↗ Enter value of a :10
Enter value of b :12
After swap value of a :12
After swap value of b :10
```

34. Write a program to take user input and print it without spaces between words.

```
input_string = input('Enter the input as text')
input_string_words = input_string.split(' ')
print(''.join(input_string_words))
```

```
↗ Enter the input as textHello World !!!
HelloWorld!!!
```

36. Write a program that accepts a number and prints its cube.

```
input_number = int(input('Enter a number :'))
print(f'Cube of the given number {input_number} is {input_number ** 3}')
```

```
↗ Enter a number :3
Cube of the given number 3 is 27
```

37. How would you accept and store multiple names from the user?

```
input_user = input("Please enter the values in comma to store as multiple : ")
list1 = input_user.split(',')
print(list1)
```

```
↗ Please enter the values in comma to store as multiple : test, test1, test2
['test', ' test1', ' test2']
```

38. How would you extract numbers from a string entered by the user?

this I think loop is required

39. How do you find the maximum number from a list of integers entered by the user?

```
list1 = [10, 50, 20, 100, 120, 170, 150]
max(list1)
```

```
↗ 170
```

40. How would you prompt the user for input until they enter a valid number?

This requires a loop or recursive function

41. Write a program to check if the entered string has digits.

This requires a loop

42. Write a program to check if the entered string has only whitespace characters.

```
input_whitespace = input('Enter user inout as whitespace:')
print("Entered input has only whitespace " * (len(input_whitespace.strip()) == 0))
```

```
↗ Enter user inout as whitespace:
Entered input has only whitespace
```

43. Write a program to find the sum of all digits in a string entered by the user.

loop is required

44. Write a program that accepts a number and prints its absolute value.

```
input_number = int(input('Enter a number :'))
print(f"Absolute value of {input_number} is {- (input_number)}")
```

```
↵ Enter a number :3  
Absolute value of 3 is -3
```

45. How would you check if a string entered by the user contains any uppercase letters?

```
# a loop is required
```

46. Write a program that converts Celsius to Fahrenheit.

```
# skipping this for now
```

```
# 47 - 50 requires loop. Now, doing right now as topic is not covered.
```