

Python Loop Exercises - for() loop, while() Loop:

Q1. Write a program in python to reverse a word?

Q2. Write a Python program to reverse a number?

Q3: Write a program to display the first 7 multiples of 7?

Q4: Write a program that appends the square of each number to a new list?

Given old_list = [2,3,4,5,6,7,8]

Expected new_list = [4,9,16,25,36,49,64]

Q5: WAP to separate positive and negative number from a list?

Given x = [23, 4, -6, 23, -9, 21, 3, -45, -8]

Expected output Result: -

Positive: [23, 4, 23, 21, 3] Negative: [-6, -45, -9, -8]

Q6: Write a program that appends the type of elements from a list?

Given x = [23, 'Python', 23.98]

Expected output Result:

[<class 'int'>,<class 'str'>,<class 'float'>]

Q7: Write a program to filter even and odd number from a list?

Given x = [10, 23, 24, 35, 65, 78, 90]

Expected output:

Even numbers: [10, 24, 78, 90]

Odd numbers: [23, 35, 65]

Q8: Write a program to fetch only even values from a dictionary?

dic = {'val1':10, 'val2':20, 'val3':23, 'val4':22 }

Expected output:

Result: 10 20 22

#Python String Exercises with Looping:

Q9: Write a program to count vowels and consonants in a string?

Input: python

Expected output:

Vowels count is: 1

Consonant count is: 5

Q10: Write a program to remove duplicates in a string?

Input: pythonlobby

Expected output:

Result is: p y t h o n l b

Q11: Write a program to count the number of letters in a word?

Input: python.net

Expected output

Result is: 10

Q12: Python program to count the occurrence of each character in a word?

Given x = Programm

Expected output:-

Occurrence of each characters is :

{'P': 1, 'r': 2, 'o': 1, 'g': 1, 'a': 1, 'm': 2}

Q13: Python program to convert lower letter to upper and upper letter to lower in a string?

Input: PrOgRaMM

Expected output:

Result is: pRoGrAmm

Q14: Python program to search a specific word in a string?

1:-Input:

Enter a String: I am a boy

Enter a word to search: boy

Expected output:-

boy exists in string

2:-Input:

Enter a String: I am a boy

Enter a word to search: girl

Expected output:-

girl not exists in string

Q15: Write a python program to sort letters of word by lower to upper case format?

Input:

Enter a String: pyTHOnloBBY

Expected output:-

Result: p y t n l o y H O B B

Q16: Write a program in Python to count lower, upper, numeric and special characters in a string?

Given x = @pyThOnlobb!Y34

Expected output:-

Numeric counts 2

Lower counts 8

Upper counts 3

Special counts 2

Q17: Write a program in Python to remove an empty character from a list sequence?

Given n = ["name", "age", "", "hello"]

Expected output:-

Result: ['name', 'age', 'hello']

Q18: Python program to convert all the starting letter of a word in upper case format or in the title format?

Given n = "hello this is pythontraining"

Expected output:-

Result: Hello This Is Pythontraining

Q19: Write a program in Python to remove repetitive items from a list?

Given num = [2,3,4,5,2,6,3,2]

Expected output:-

Result: [2, 3, 4, 5, 6]

Q20: Write a program in python to map keys to dictionary?

key = ['Fruit', 'Vegetable', 'Beverages']

value = ['Mango', 'Tomato', 'Milk']

Expected output:-

{'Fruit': 'Mango', 'Vegetable': 'Tomato', 'Beverages': 'Milk' }