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]

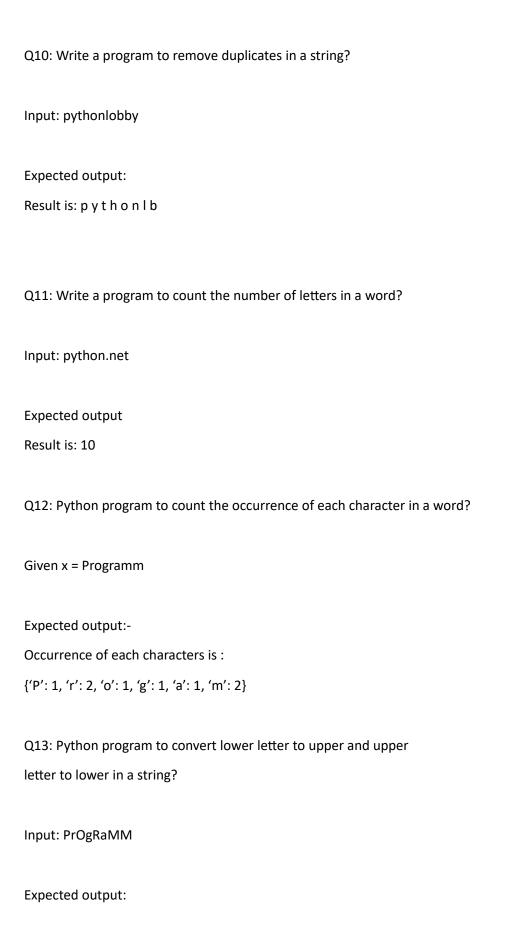
Q6: Write a program that appends the type of elements from a list?

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

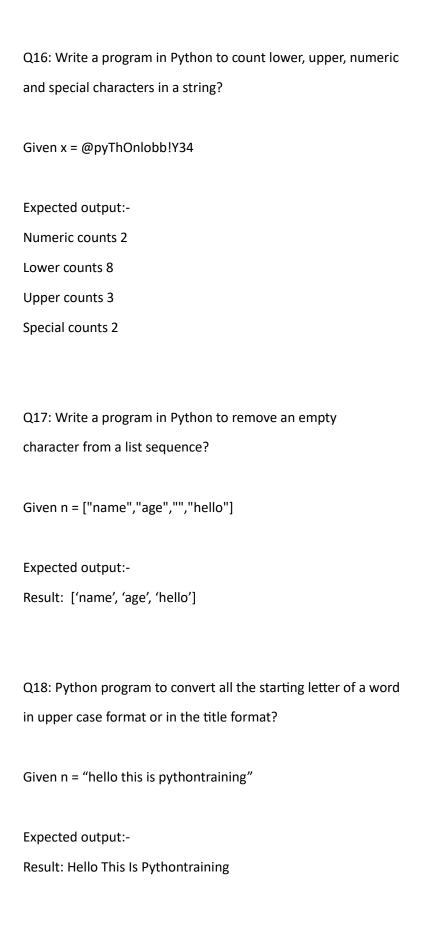
Expected output Result:

[<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



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



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'}