Assignment 9 (Practice)

1) Write a python program that creates a list of numbers from 1-20 that are either divisible by 2 or divisible by 4 without using the filter function.

2) Write a python program using filter function to a list of squares of numbers form 1..10.Then use the for..in construct to sum the elements in the list generated.

3) Write a python program to create a list of numbers in the range 1 to 10.Then delete all the even numbers from the list and print the final list.

4) Write a python program to print index at which a particular value exists.If the value exists at multiple locations in the list,then print all the indices.Also count the number of times that value is repeated in the list.

5) Write a python program that forms a list of first character of every word in another list.

6) Write a python program to remove all duplicates from a list.

7) Write a python program to create a list of numbers in the specified range in particular steps. Reverse the list and print its values.

8) Write a python program creates a list of 10 random integers.then create two lists—Odd list and Even list that has all odd and even values in the list respectively.

9) Write a python program to create a list of first 20 odd numbers using the shortcut method (list comprehension).

10) Write a python program that passes a list to a function that scales each element in the list by a factor of 10.Print the list values at different stages to show that changes made to one list is automatically reflected in the other list.

11) Write a program that has a list of both positive and negative numbers. Create another list using filter() that has only positive values.

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