**Problem: 01**

**Write a function that takes two numbers as input and returns their average. Call the function with different values.**

**Solve:**

def averge(x,y):

    return (x+y)/2

print(averge(10,5))

print(averge(12,8))

print(averge(15,50))

print(averge(6,12))

**Problem: 02**

**Write a function that sorts a list of strings alphabetically.**

**["apple", "banana", "cherry", "kiwi", "grape"]**

**Solve:**

def sorted\_list(list\_string):

    return sorted(list\_string)

print(sorted\_list(["apple", "banana", "cherry", "kiwi", "grape"]))

**Problem: 03**

**Write a Python program that creates a new list containing only the duplicate elements from the given list: [1, 5, 6, 5, 1, 2, 3].**

**Solve:**

given\_list=[1, 5, 6, 5, 1, 2, 3]

#create a new list

duplicate\_list=[]

for item in given\_list:

    if given\_list.count(item)>1 and item not in duplicate\_list:

        duplicate\_list.append(item)

print(duplicate\_list)