Practice Questions Solutions

1. Write a program that takes two numbers as input from the user and then prints the sum of these numbers.

```
num1 = int(input("Enter number 1 = "))
num2 = int(input("Enter number 2 = "))

# Calculating Total
total = num1 + num2

# Printing Total
print(f"Total is {total}")
```

2. Write a Program that takes Length and Breadth as input from user and print the Area of Rectangle.

```
length = float(input("Enter length of rectangle = "))
breadth = float(input("Enter breadth of rectangle = "))

# Calculating Area
area = length * breadth

# Printing Area
print(f"Area of rectangle is {area}")
```

3. Ask 3 numbers from User and Calculate the Average.

```
num1 = int(input("Enter number 1 = "))
num2 = int(input("Enter number 2 = "))
num3 = int(input("Enter number 3 = "))

# Calculating Average
avg = (num1 + num2 + num3) / 3

# Printing the answer
print(f"Average is {avg}")
```

4. Calculate sum of 5 subjects and Find percentage.

```
maths = int(input("Enter marks in maths = "))
english = int(input("Enter marks in english = "))
science = int(input("Enter marks in science = "))
sst = int(input("Enter marks in sst = "))
comp = int(input("Enter marks in comp = "))

# Calculating Total of 5 subjects
total = maths + english + science + sst + comp

# Calculating Percentage
percentage = total / 500 * 100

# Printing the answer
print(f"Total is {total} and percentage is {percentage}")
```

5. Same as above
6. Ask value in Rupees and Convert into Paise.

```
rupees = float(input("Enter rupees = "))

# Converting rupee into paise
paise = rupees * 100

print(f"{rupees} rupees into paise is {paise}")
```

7. Calculate Area of Square by taking Side from User.

```
s = float(input("Enter side of a square = "))
area = s * s

print(f"Area of square with side {s} is {area}")
```

8. Ask number of games played in a tournament. Ask the user number of games won and number of games loss. Calculate number of tie and total Points. (1 win= 4 points, 1 tie =2 points)

```
total_games = int(input("Total number of games played = "))
games_won = int(input("Total games won = "))
games_loss = int(input("Total games lost = "))

# Calculating number of games tied
games_tied = total_games - (games_won + games_loss)

# Calculating total points
total_points = (games_won * 4) + (games_tied * 2)

print(f"Total points scored is {total_points}")
```

9. Take two numbers as input from User and print which one is greater or are they equal.

```
num1 = int(input("Enter number 1 = "))
num2 = int(input("Enter number 2 = "))

if num1 > num2:
    print(f"{num1} is greater than {num2}")
elif num2 > num1:
    print(f"{num2} is greater than {num1}")
else:
    print("Both are equal")
```

10. Take three numbers as input from User and print which one is greater or are they equal.

```
num1 = int(input("Enter number 1 = "))
num2 = int(input("Enter number 2 = "))
num3 = int(input("Enter number 3 = "))

if num1 > num2 and num1 > num3:
    print(f"{num1} is greater than {num2}, {num3}")
elif num2 > num1 and num2 > num3:
    print(f"{num2} is greater than {num1},{num3}")
elif num3 > num1 and num3 > num1:
    print(f"{num3} is greater than {num1},{num2}")
elif num1 == num2 == num3:
    print("All are equal")
```

11. Take Salary as input from User and Update the salary of an employee
    a. salary less than 10,000, 5 % increment
    b. salary between 10,000 and 20, 000, 10 % increment
    c. salary between 20,000 and 50,000, 15 % increment
    d. salary more than 50,000, 20 % increment

```
salary = float(input("Enter your salary = "))

# Conditions for calculating salaries
finalSalary = salary
if salary < 10000:
    finalSalary = salary + (5 / 100 * salary)
elif salary <= 20000 and salary >= 10000:
    finalSalary = salary + (10 / 100 * salary)
elif salary <= 50000 and salary > 20000:
    finalSalary = salary + (15 / 100 * salary)
elif salary > 50000:
    finalSalary = salary + (20 / 100 * salary)

print(f"Your final salary is {finalSalary}")
```

12. Ask the number from User and print whether the number is Odd or Even.

```
number = int(input("Enter any number = "))

if number % 2 == 0:
    print(f"The number {number} is even")
else:
    print(f"The number {number} is odd")
```

13. A school has following rules for grading system:
    a. Below 25 - F
    b. 25 to 45 - E
    c. 45 to 50 - D
    d. 50 to 60 - C
    e. 60 to 80 - B
    f. Above 80 – A

    Ask user to enter marks and print the corresponding grade.

```
mark = int(input("Enter your marks = "))

if mark > 80 and mark <= 100:
    print("You have scored A.")
elif mark > 60 and mark <= 80:
    print("You have scored B.")
elif mark > 50 and mark <= 60:
    print("You have scored C.")
elif mark > 45 and mark <= 50:
    print("You have scored D.")
elif mark > 25 and mark <= 45:
    print("You have scored E.")
elif mark <= 25:
    print("You have scored F.")
else:
    print("Wrong marks")

# ------------ OR ----------
mark = int(input("Enter your marks = "))

if 80 < mark <= 100:
    print("You have scored A.")
elif 60 < mark <= 80:
    print("You have scored B.")
elif 50 < mark <= 60:
    print("You have scored C.")
elif 45 < mark <= 50:
    print("You have scored D.")
elif 25 < mark <= 45:
    print("You have scored E.")
elif mark <= 25:
    print("You have scored F.")
else:
    print("Wrong marks")
```

14. A student will not be allowed to sit in exam if his/her attendance is less than 75%.
    a. Take following input from user
        i. Number of classes held
        ii. Number of classes attended.
    b. Print percentage of class attended
    c. Print Is student is allowed to sit in exam or not.

```
totalClasses = int(input("Total classes conducted = "))
classesAttend = int(input("Total classes attended = "))

# Classes missed with condition
if classesAttend <= totalClasses:
    classesMissed = totalClasses - classesAttend
    attendancePercent = (classesAttend / totalClasses) * 100
    print(f"Percentage of classes attended are
{attendancePercent}%")
    if attendancePercent >= 75:
        print("You are allowed to sit in exams")
    else:
        print("You are not allowed to sit in exams")
else:
    print("Classes attended cannot be more than classes held")
```

15. Calculate the purchase amount after deduction criteria on printed price
    a. printed price between 500 and 1000, allow 5% discount
    b. printed price between 1000 and 5000, allow 10% discount
    c. printed price between 5000 and 10000, allow 15% discount
    d. printed price more than 10000, allow 20% discount

```
billAmount = float(input("Enter bill amount = "))

if 0 < billAmount < 500:
    print(f"You got no discount. Your final bill is
{billAmount}")
elif 500 <= billAmount < 1000:
    discount = 5 / 100 * billAmount
    print(f"You got 5% discount. Your final bill is
{billAmount - discount}")
elif 1000 <= billAmount < 5000:
    discount = 10 / 100 * billAmount
    print(f"You got 10% discount. Your final bill is
{billAmount - discount}")
elif 5000 <= billAmount < 10000:
    discount = 15 / 100 * billAmount
    print(f"You got 15% discount. Your final bill is
{billAmount - discount}")
elif billAmount >= 10000:
    discount = 20 / 100 * billAmount
    print(f"You got 20% discount. Your final bill is
{billAmount - discount}")
else:
    print("Wrong bill amount")
```

16. Print first 10 Natural numbers

```
i = 1

while i <= 10:
    print(i)
    i = i + 1
```

17. Print all the even numbers from 1 to 100.

```
i = 1

while i <= 100:
    if i % 2 == 0:
        print(i)
    i = i + 1
```

18. Find sum of N numbers where N is input from User.

```
n = int(input("Enter any number = "))
total = 0
i = 1

while i <= n:
    total = total + i
    i += 1

print(f"Total is {total}")
```

19. Check whether number entered by User is Prime or Not.

```
n = int(input("Enter any number = "))
totalFactors = 0
i = 1

# Calculating factors
while i <= n:
    if n % i == 0:
        totalFactors = totalFactors + 1
    i += 1

# If only 2 factors, then it is prime
if totalFactors == 2:
    print(f"{n} is a prime number")
else:
    print(f"{n} is a not prime number")
```

20. Check whether number entered by User is Armstrong or not.

Armstrong number is a number that is equal to the sum of cubes of its digits. For example, 0, 1, 153, 370, 371 and 407 are the Armstrong numbers.

```
n = int(input("Enter any number = "))
m = n
total = 0

while m > 0:
    digit = m % 10
    total = total + (digit ** 3)
    m = m // 10

if n == total:
    print("It is an armstrong number")
else:
    print("It is not an armstrong number")
```

21. Find Factorial of a number entered by User.

```
n = int(input("Enter any number = "))
total = 1

while n > 0:
    total = total * n
    n = n - 1

print(f"Factorial = {total}")
```

22. Print the first 10 multiples of a number entered by User.

```
n = int(input("Enter any number = "))
i = 1

while i <= 10:
    print(f"{n} X {i} = {n * i}")
    i = i + 1
```

23. Count the number of digits in a number that is entered by User.

```
n = int(input("Enter any number = "))
m = n
totalDigits = 0

while m > 0:
    digit = m % 10
    totalDigits = totalDigits + 1
    m = m // 10

print(f"Total digits = {totalDigits}")
```

24. Write a Program to Reverse a number.

```
n = int(input("Enter any number = "))
m = n

while m > 0:
    digit = m % 10
    print(digit, end="")
    m = m // 10
```

25. Print first 10 Natural numbers.

```
for i in range(1, 11):
    print(i)
```

26. Print all the even numbers from 1 to 100.

```
for i in range(1, 101):
    # Checking if i is even or odd
    if i % 2 == 0:
        print(i)
```

27. Find sum of N numbers where N is input from User.

```
number = int(input("Enter any number = "))
total = 0

for i in range(1, number + 1):
    total = total + i

print(f"Total is {total}")
```

28. Check whether number entered by User is Prime or Not.

```
number = int(input("Enter any number = "))
totalFactors = 0

for i in range(1, number + 1):
    if number % i == 0:
        totalFactors = totalFactors + 1

if totalFactors == 2:
    print(f"{number} is a prime number")
else:
    print(f"{number} is not a prime number")
```

29. Can skip this question.
30. Print multiplication table of a number entered by user.

```
number = int(input("Enter any number = "))

for i in range(1, 11):
    print(f"{number} X {i} = {number * i}")
```

31. Program to display all the prime numbers within a range.

```
number = int(input("Enter any number = "))

for i in range(1, number + 1):
    totalFactors = 0
    for j in range(1, i + 1):
        if i % j == 0:
            totalFactors += 1
    if totalFactors == 2:
        print(f"{i} is a prime number")
```

32. Make the following Patterns:

```
*
**
***
****
*****
```

```
for i in range(1, 6):
    for j in range(1, i + 1):
        print("* ", end=" ")
    print()
```

```
1
1 2
1 2 3
1 2 3 4
1 2 3 4 5
```

```
for i in range(1, 6):
    for j in range(1, i + 1):
        print(f"{j} ", end=" ")
    print()
```

```
5
5 4
5 4 3
5 4 3 2
5 4 3 2 1
```

```
for i in range(5, 0, -1):
    for j in range(5, i - 1, -1):
        print(f"{j} ", end=" ")
    print()
```

```
5 5 5 5 5
4 4 4 4
3 3 3
2 2
1
```

```
for i in range(5, 0, -1):
    for j in range(1, i + 1):
        print(f"{i} ", end=" ")
    print()
```

```
    1
   2 1
  3 2 1
 4 3 2 1
5 4 3 2 1
```

```
for i in range(1, 6):
    # To print space on left side
    for j in range(5, i, -1):
        print(f" ", end=" ")

    # To print numbers
    for k in range(i, 0, -1):
        print(f"{k} ", end="")

    print()
```

```
    5
   4 5
  3 4 5
 2 3 4 5
1 2 3 4 5
```

```
for i in range(1, 6):
    # To print space on left side
    for j in range(5, i, -1):
        print(f" ", end=" ")

    # To print numbers
    for k in range(6 - i, 6):
        print(f"{k} ", end="")

    print()
```

33. Write a program to display following Output.

a. 1 2 3 4 5 6 7 8 9 10

```
for i in range(1, 11):
    print(i, end=" ")
```

b. 2 4 6 8 10 12 14 16 18 20

```
for i in range(1, 21):
    if i % 2 == 0:
        print(i, end=" ")
```

c. 3 6 9 12 15 18 21 24 27 30

```
for i in range(3, 31, 3):
    print(i, end=" ")
```

d. 4 8 12 16 20 24 28 32 36 40

```
for i in range(4, 41, 4):
    print(i, end=" ")
```

e. 5 10 15 20 25 30 35 40 45 50

```
for i in range(5, 51, 5):
    print(i, end=" ")
```

34. Write a Python program to sum all the items in a list.

```
myList = [65, 78, 55, 42, 17, 58, 99]

# Solution 1
total = sum(myList)
print(f"Total of {myList} is {total}")

# Solution 2
total = 0
for i in myList:
    total = total + i
print(f"Total of {myList} is {total}")
```

35. Write a Python program to multiply all the items in a list.

```
myList = [65, 78, 55, 42, 17, 58, 99]

total = 1
for i in myList:
    total = total * i
print(f"Total multiplication of {myList} is {total}")
```

36. Take 10 integer inputs from user and store them in a list and print them on screen.

```
myList = []

# Running loop 10 times
for i in range(1, 11):
    n = int(input("Enter any number = "))
    myList.append(n)   # Adding number o the list

print(f"Answer = {myList}")
```

37. Take 20 integer inputs from user and print the following:
    a. number of positive numbers
    b. number of negative numbers
    c. number of odd numbers
    d. number of even numbers
    e. number of 0s.

```
myList = []

# Running loop 20 times
for i in range(1, 21):
    n = int(input("Enter any number = "))
    myList.append(n)   # Adding number o the list

positive = 0
negative = 0
odd = 0
even = 0
zero = 0

for i in myList:
    if i > 0:
        positive += 1
    elif i < 0:
        negative += 1
    else:
        zero += 1

    if i % 2 == 0:
        even += 1
    else:
        odd += 1

print(f"Positive = {positive}")
print(f"Negative = {negative}")
print(f"Zero = {zero}")
print(f"Even = {even}")
print(f"Odd = {odd}")
```

38. Take 10 integer inputs from user and store them in a list. Again, ask user to give a number. Now, tell user whether that number is present in list or not.

```
myList = []

# Running loop 10 times
for i in range(1, 11):
    n = int(input("Enter any number = "))
    myList.append(n)   # Adding number o the list

number = int(input("Enter the number you want to check = "))

if number in myList:
    print("Number is present in the list")
else:
    print("Number is not present in the list")
```

39. Make a list by taking 10 inputs from user. Now delete all repeated elements of the list.

```
myList = []

# Running loop 10 times
for i in range(1, 11):
    n = int(input("Enter any number = "))
    myList.append(n)   # Adding number o the list

newList = []

for i in myList:
    if i not in newList:   # Check if number is present
        newList.append(i)

print(f"Old list -> {myList}")
print(f"New list -> {newList}")
```

40. Ask user to give integer inputs to make a list. Store only even values given and print the list.

```
myList = []

# Running loop 10 times
for i in range(1, 11):
    n = int(input("Enter any number = "))
    if n % 2 == 0:
        myList.append(n)

print(myList)
```

41. Calculate the sum of all the numbers in a tuple.

```
myTuple = (54, 34, 12, 33, 55, 65, 44)

print(f"Total of tuple is {sum(myTuple)}")
```

42. Create a tuple with some numbers. Ask a random number from user and add that number to the end of the tuple.

```
myTuple = (54, 34, 12, 33, 55, 65, 44)

n = int(input("Enter any number = "))

myList = list(myTuple)   # Converting tuple to list
myList.append(n)

myTuple = tuple(myList)   # Again converting list to tuple
print(myTuple)
```

43. Write a Python program to get the 4th element and 4th element from last of a tuple.

```
myTuple = (56, 89, 77, 65, 32, 12, 45, 33)

print(f"4th element from front is {myTuple[3]}")
print(f"4th element from behind is {myTuple[-4]}")
```

44. Write a Python program to find the repeated items of a tuple.

```
myTuple = (56, 89, 67, 89, 32, 12, 56, 89, 12, 66, 77, 55, 44)
repeatedElements = []

for i in myTuple:
    # Checking if number comes more than 1 time
    if myTuple.count(i) > 1:
        # Checking if number already in repeatedElements
        if i not in repeatedElements:
            repeatedElements.append(i)

print("Repeated values are ")
for i in repeatedElements:
    print(i)
```

45. Write a Python program to remove a number entered by user from a tuple.

```
myTuple = (56, 89, 67, 89, 32, 12, 56, 89, 12, 66, 77, 55, 44)
number = int(input("Enter the number you want to remove = "))

if myTuple.count(number) > 0:
    myList = list(myTuple)
    myList.remove(number)
    myTuple = tuple(myList)
    print(myTuple)
else:
    print("Number does not exist in tuple")
```

46. Write a Python program calculate the product, multiplying all the numbers of a given tuple.

```
myTuple = (4, 3, 2, 2, -1, 18)
total = 1

for i in myTuple:
    total = total * i

print(f"Product of all the numbers = {total}")
```

47. Merge two Python dictionaries into one.

```
dict1 = {"name": "Elon", "age": 55, "gender": "M"}
dict2 = {"address": "Unknown", "phone": 45343}

dict1.update(dict2)

print(dict1)
```

48. Write a python program to find the sum of all items in a dictionary.

```
myDictionary = {"maths": 77, "science": 90, "english": 34,
                "sst": 24, "comp": 99}

total = 0

for i in myDictionary.values():
    total = total + i

print(f"Total of all the values = {total}")
```

49. Write a python program to check whether a given key already exists in a Dictionary.

```
myDictionary = {"name": "Akshay", "gender": "Male", "age": 66,
                "phone": 45454}

a = input("Enter the key you want to check = ")

if myDictionary.get(a) is not None:
    print(f"Key exists and its value is
{myDictionary.get(a)}")
else:
    print("Key does not exists")
```

50. Write a Python program to iterate over dictionaries using for loops.

```
myDictionary = {"name": "Akshay", "gender": "Male", "age": 66,
                "phone": 45454}

for k, v in myDictionary.items():
    print(f"Key -> {k} and value -> {v}")
```

51. Write a Python program to generate and print a dictionary that contains a number (between 1 and n) in the form (x, x*x).

```
myDictionary = {}
n = int(input("Enter any number = "))

for i in range(1, n + 1):
    myDictionary.update({i: i * i})

print("Final answer")
print(myDictionary)
```

52. Write a Python program to map two lists into a dictionary.

```
list1 = ["name", "age", "gender", "totalMarks"]
list2 = ["Ananya", 44, "Female", 10]
myDictionary = {}

for i in range(0, len(list1)):
    myDictionary.update({list1[i]: list2[i]})

print(myDictionary)
```

53. Write a Python program to get the maximum and minimum value in a dictionary.

```
myDictionary = {"maths": 19, "english": 87, "science": 43,
"sst": 88, "comp": 99}
allMarksList = []

for i in myDictionary.values():
    allMarksList.append(i)

print(f"Maximum value is {max(allMarksList)}")
print(f"Minimum value is {min(allMarksList)}")
```

54. Write a Python program to create a dictionary from a string.

```
x = input("Enter any string = ")
myDictionary = {}

for i in range(0, len(x)):
    myDictionary.update({i: x[i]})

print(myDictionary)
```

55. Write a Python program to print a dictionary in table format.

```
myDictionary = {"maths": 19, "english": 87, "science": 43,
"sst": 88, "comp": 99}

print("Dictionary in table format")

for k, v in myDictionary.items():
    print("{:10s} {}".format(k, v))
```

56. A Python Dictionary contains List as value. Write a Python program to clear the list values in the said dictionary.

```
myDictionary = {"C1": [54, 66, 77], "C2": [90, 12, 43], "C3":
[67, 45, 89]}

print(myDictionary)

for i in myDictionary.keys():
    myDictionary[i] = []

print(myDictionary)
```

57. Write a Python program to convert a given dictionary into a list of lists.

```
myDictionary = {1: 'red', 2: 'green', 3: 'black', 4: 'white',
5: 'black'}

myList = []

for k, v in myDictionary.items():
    myList.append([k, v])

print(myList)
```

58. Python program to print even length words in a string.

```
n = input("Enter any string = ")

myList = n.split()

for i in myList:
    if len(i) % 2 == 0:
        print(i)
```

59. Write a Python program to calculate the length of a string entered by a User.

```
n = input("Enter any string = ")

print(f"Length of string is {len(n)}")
```

60. Write a Python program to reverse a string entered by User.

```
n = input("Enter any string = ")

# ---------Solution 1---------
print(n[-1::-1])

# ---------Solution 2---------
myList = []
for i in n:
    myList.append(i)

myList.reverse()
for i in myList:
    print(i, end='')
```

61. Count the number of vowels in a string entered by User.

```
n = input("Enter any string = ")

n = n.lower()
total = n.count('a') + n.count('e') + n.count('i') +
n.count('o') + n.count('u')

print(f"Total vowels are {total}")
```

62. Remove the even index characters from the string entered by User.

```
n = input("Enter any string = ")

ans = ''
for i in range(0, len(n)):
    if i % 2 == 0:
        ans += n[i]

print(ans)
```

63. Write a Python program to reverse a string if its length is a multiple of 4.

```
n = input("Enter any string = ")

if len(n) % 4 == 0:
    print(n[-1::-1])
else:
    print(n)
```

64. Count number of digits in a string entered by user.

```
n = input("Enter any string = ")
total = 0

for i in n:
    if i.isdigit():
        total += 1

print(f"Total digits are {total}")
```

65. Check if the String entered by user is palindrome or not.

```
n = input("Enter any string = ")

if n == n[-1::-1]:
    print("It is a palindrome")
else:
    print("It is no a palindrome")
```

66. Find all duplicate characters in string entered by user.

```
n = input("Enter any string = ")
myList = []

for i in n:
    if n.count(i) > 1:
        if i not in myList:
            myList.append(i)

print("All duplicates character are")
for i in myList:
    print(i, end=" ")
```

67. Reverse Sort a String entered by user.

```
n = input("Enter any string = ")

myList = list(n)
myList.reverse()

for i in myList:
    print(i, end="")
```

68. Write a Python function to find the Max of three numbers.

```
def maxOfThreeNumbers(a, b, c):
    if a > b and a > c:
        print(f"{a} is greater")
    elif b > a and b > c:
        print(f"{b} is greater")
    elif c > a and c > b:
        print(f"{c} is greater")
    else:
        print("All are equal")


maxOfThreeNumbers(56, 44, 67)
maxOfThreeNumbers(87, 89, 88)
```

69. Write a Python function to sum all the numbers in a list.

```
def sumOfList(myList):
    print(f"Sum of all numbers are {sum(myList)}")


sumOfList([56, 43, 36, 76])
sumOfList([12, 78, 63, 66, 55])
```

70. Write a Python function to reverse a string.

```
def reverseString():
    x = input("Enter your String = ")
    print(x[-1::-1])


reverseString()
reverseString()
```

71. Write a Python function that takes a number as a parameter and check the number is prime or not.

```
def checkPrime(n):
    totalFactors = 0
    for i in range(1, n + 1):
        if n % i == 0:
            totalFactors += 1
    if totalFactors == 2:
        print(f"{n} is a prime number")
    else:
        print(f"{n} is not a prime number")


checkPrime(55)
checkPrime(7)
checkPrime(70)
```

72. Write a Python program to print the even numbers from a given list.

```
def evenList(x):
    myList = []
    for i in x:
        if i % 2 == 0:
            myList.append(i)
    print(myList)


evenList([55, 21, 45, 76, 55])
evenList([67, 55, 11])
```

73. Write a Python function that checks whether a passed string is palindrome or not.

```
def checkPalindrome(s):
    s = s.lower()
    if s == s[-1::-1]:
        print(f"{s} is a palindrome")
    else:
        print(f"{s} is not a palindrome")


checkPalindrome("Noon")
checkPalindrome("moM")
checkPalindrome("abc")
```

74. Write a Python program to read an entire text file.

```
f = open("hello.txt", "r")
print(f.read())
f.close()
```

75. Write a Python program to read a file line by line and store it into a list.

```
f = open("hello.txt", "r")
myList = f.readlines()
print(myList)
f.close()
```

76. Write a python program to find the longest words.

```
f = open("hello.txt", "r")
allWords = f.read().split()

longestWord = ''
for i in allWords:
    if len(i) > len(longestWord):
        longestWord = i

print(f"Longest word is {longestWord}")

f.close()
```

77. Write a Python program to count the number of lines in a text file.

```
f = open("hello.txt", "r")

print(f"Number of lines are {len(f.readlines())}")

f.close()
```

78. Write a Python program to count the frequency of words in a file.

```
f = open("hello.txt", "r")
allWords = f.read().split()
myWords = []

for i in allWords:
    if i not in myWords:
        myWords.append(i)

for i in myWords:
    print(f"{i} has repeated {allWords.count(i)} times")

f.close()
```

79. Write a Python program to copy the contents of a file to another file.

```
f = open("hello.txt", "r")
content = f.read()
f.close()

f = open("hello1.txt", "w")
f.write(content)
f.close()
```

80. Write a Python program to read a random line from a file.

```
from random import randint

f = open("hello.txt", "r")
allLines = f.readlines()
f.close()

randomLine = randint(0, len(allLines) - 1)

print(f"Random line = {allLines[randomLine]}")
```