Test-01

Id: T60115

(01)

01: Write a program to find the Largest number in a list.

```
X = [1, 2, 3, 9, 8, 10]

X1 = Max[X]
print (X1)
```

02: Create a programme that Converts temperature from celsius to Fahorenheit.

```
x = int (Input ("Enter the value")

X1 = x (X * 9/5-) + 32

print (X1)
```

03: Write a program that print the fibonacci sequence up to a given number of terms.

```
x = int (Input ("Enter the value")

num1 = 0
num2 = 1
num3 = 0
for i in range (x):
    num1, num2 = num2, num3
    num3 = num1 + num2
    print (num3)
```

04: Create a simple Calculator that can perform addition, subtraction, multiplication, division.

```
while True:
    if "add" == X1:
        add = a+b
        print (add)
    elif "Sub" == X1:
        Sub = a-b
        print (Sub)
    elif "Mul" == X1:
        Mul = a*b
        print (Mul)
    elif "div" == X1:
        div = a/b
        print (div)
    else:
        print ("Enter the correct number")
print ("add", "Sub", "Mul", "div")
X1 = "add"
X1 = "Sub"
X1 = "Mul"
X1 = "div"
a = int (input ("Enter the first number"))
b = int (input ("Enter the second number"))
X1 = input ("select any one")
```

T60115

(03)

05: Create a program that generates a random num,

```
import random
list = [1, 2, 4, 5, 8]
print (random.sample (list, 3))
```

06: Create a program that simulates a basic ATM machine, allowing users to deposit, withdraw, and check their balance

```
deposit = 1000
def depo(deposit):
    x = int(input("Enter deposit amount:"))
    deposit += x
    print(deposit)
    return deposit

def withdraw(deposit)
    x1 = int(input("Enter the withdraw A:")
    deposit = deposit - x1
    print(deposit)
    return deposit

def balance(deposit)
    ~~print(deposit)~~
    ~~return~~ print(deposit)
while True:
    print("01: dep0, 02: w, 03: b,")
    x = int(input("Enter the numb given above,")
```

T6015

08:

T6015

(7) (05)

```
if x == 1:
    data = depo(deposit)
    deposit = data.
elif x == 2:
    data = withdrow(deposit)
    deposit = data.
elif x == 3
    balance(deposit)
```

07 Write a function that takes a sentence as input and returns the ~~number~~ reverse of each word while maintaining the word order.

09

```
x = input("Enter the sentence:")
y = x.split()
for i in y:
    z = i[::-1]
    print(z, end = " ")
print(" ".join(z))
```

08: Write a function to find the common element b/w two list without duplicate.

```
def comm(a,b):
    a_com = set(a)
    b_com = set(b)
    if a_com & b_com:
        print(a_com & b_com)
    else:
        print("No common word")
```

```
a=(14,7,8,9)
b=(13,12,7,10)
print(any(ele in a
    for ele in b))
```

```
a=(1,2,3,4,5,8,9)
b=(2,9,7,6,4)
Comm(a,b)
```

09: Write a function that checks where a given string is a palindrom (ready the same forward & backward).

```
x=Madam
z=x
y=x[::-1]
if y==z
    print("palindrom")
else:
    print("no palindrom).
```

10. Write a program that ask the user to enter the width and length of a room. (6)

```
x = float (input ("Enter the length:")
y = float (input ("Enter the width:")
z = float (x*y)
print (z)
```

11. Cost of meal.

```
print ("price of the meal is: 100, 200, 300")
y = int (input ("Enter the amount")
tax = (5/100)*y
tip = (18/100)*y
Total_taxes = tax + tip + y
print (Total_amount)
```