ASSIGNMENTS

FUNCTION WITHOUT PARAMETER AND WITH OUT RETURN TYPE.

Q1. Create function prime to find out prime Number function between 1 to 50.

```
-> def asf ():
        For a in range (2,51):
            c = 0
            num=2.
            While num <a:
            if c==0
             print(a)
asf ()
```

Q2. Create function of sum to find out sum of the numbers of elements of the list.

```
-> def asf ():
        list = [2,4,4,5,6, 7, 8, 9]
        sum = 0
        for a in list:
             sum = a + sum
        print (sum)
asf ()
```

Q3. Write a Python function to reverse a string.

```
-> def asf (c=" "):
        a = input ("Enter any words: "]-> [: :-1]
        print (user)
asf ()
```

FUNCTION WITH PARAMETER.

Q1. Create function to pass list and sum all the number in a list.

```
-> def asf (a, b, c, d, e):
        list = [a, b, c, d, e]
        print (list)
        sum = 0
        for a in list:
            sum = sum + a
        print(sum)
asf (2,2,15,7)
```

Q2. Write a function in function in python that accepts a String counts upper and lower the number case letter.

```
-> def asf (C= " "):
     a = input ("Enter word or Sentence: ")
     d = {"count": 0, "Count 2": 0}
        for b in a:
            if b.isupper ():
                d [ " count = 1 " ] += 1
            elif b.islower ():
```

```
                    d ["count 2 " ] += 1
        print ("This Sentence Contains", d ["Count1"], "upper case")
        print ("This Sentence contains", d ["count2"], "lower case")
    asf("a")
```

Q3. Write a python function that takes a new list with list and display distinct element from the first list.

```
->
def asf (a, b, c, d, e):
    l1 =[]
    l1.append(a)
    l1.append(b)
    l1.append(c)
    l1.append(d)
    l1.append(e)
    print("Sample list :",l1)
    l2=[]
    for a in li:
        if a not in l2:
            l2. append(a)
        print ("Unique list", l2)
output:
Sample list: [21, 22, 22]
Unique list: [21,2]
```

Q4. Write a program to Print the even number from a given list

```
->
def asf (a,b,c,d,e):
    l1 = []
    l1.append(a)
    l1.append(b)
    l1.append(c)
    l1.append(d)
    l1.append(e)
    Print ("Sample list: ", l1)
    l2= []
    for a in li:
        b=0
        num = 2
        while num<a:
            if a % num == 0;
                b=1
            num +-1
        if b == 0:
            l2.append(a)
    print ("PRIME Number: ", l2)
asf (21, 2, 3, 11, 15)
output: Sample list: [21,2, 3, 11, 15] PRIME NUMBER: (2, 3,11)
```

Function With Return Type

Q. Create function power with two parameters where second parameter is the power of first parameter and vice versa.

```
-> default (a, b):
        logic_a = a**b
        logic_b = b**a
        Sum = logic_a + logic_b
        return Sum
print (asf (2,3))
Output: 17
```