

ASSIGNMENT-7

# PYTHON

# **NAME : MADA SRAGVIN KUMAR**

# **MIS NO : 112315097**

# **GROUP : 3**

**YEAR : 2**

**SECTION : A**

# **1:**

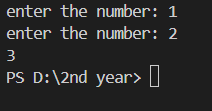
def sum(a,b):

return a+b

a=int(input("enter the number: "))

b=int(input("enter the number: "))

print(sum(a,b))



# **2:**

def encription(a):

k=str()

for i in a:

if i.islower():

k=k+chr(97+((ord(i)-3-97)%26))

elif i.isupper():

k=k+chr(65+((ord(i)-3-65)%26))

else:

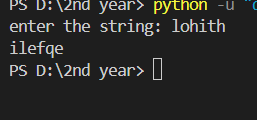
k=k+i

return k

a=input("enter the string: ")

c=encription(a)

print(c)



# **3:**

def fun(a, d):

k = ""

for i in a:

if i in d:

k += d[i]

else:

k += i

return k

a = input("Enter the text: ")

d = dict(zip(

[chr(i) for i in range(97, 123)],

[chr(97 + ((i - 97 + 3) % 26)) for i in range(97, 123)]

))

k = dict(zip(

[chr(i) for i in range(65, 91)],

[chr(65 + ((i - 65 + 3) % 26)) for i in range(65, 91)]

))

d.update(k)

print(fun(a, d))

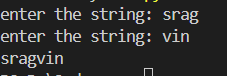


# **4:**

a=input("enter the string: ")

b=input("enter the string: ")

print(a+b)



# **5:**

def fun():

d={}

d={k:k\*k for k in range(1,21)}

return d

print(fun())



# **6:**

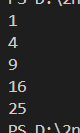
def fun():

l=[k\*k for k in range(1,21)]

for i in range(0,5):

print(l[i])

fun()



# **7:**

def fibonacci(n):

l=[]

l.append(0)

l.append(1)

for i in range(2,n):

l.append(l[i-1]+l[i-2])

return l[n-1]

a=int(input("enter the element u eant to search: "))

print(fibonacci(a))



# **8:**

def fun():

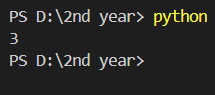
a=1

b=8.4

c="str"

a=3

print(fun.\_\_code\_\_.co\_nlocals)



# **9:**

def fun():

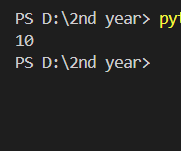
global a

a=10

a=20

fun()

print(a)



# 

# **10(1):**

def append\_item(item,item\_list=[]):

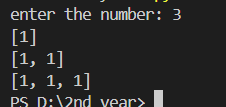
item\_list.append(item)

return item\_list

n=int(input("enter the number: "))

for i in range(0,n):

print(append\_item(1))



# **10(2):**

Although we are using the argument item\_list again as [] ,but the list gets modifies during the function calls and it will update itself during those calls

To avoid this we use none function as default.it's not like we are creating a new

Argument item\_list we are using the past item\_list only.

# **10(3):**

def append\_item(item,item\_list=None):

if item\_list==None:

item\_list=[]

item\_list.append(item)

return item\_list

n=int(input("enter the number: "))

for i in range(0,n):

print(append\_item(1))

