PYTHON ASSIGNMENT BOOK

MAKE A MOVE TO PYTHON



**ASSIGNMENTS**

**Input: (Used Visual studio)**

print("\nQuestion 3\n")

x=[100,200,300,400,500,[1,2,3,4,5,[10,20,30,40,50],6,7,8,9],600,700,800]

print(x[:4])

print(x[-3:-1])

print(x[::2])

print(x[::-1])

print(x[5][5][0])

print(x)

print("\nQuestion 4\n")

x=range(0,1000,1)

#y=xrange(1000) python 2 only

print(x)

#print(y[:25])

print("\nQuestion 5\n")

print("Tuples are immutable, so it reduces risk of losing data by overwritting or changing variable tye")

print("\nQuestion 6\n")

y=[]

for x in range(1,101):

    if x%6==0:

        y.append(x)

print(y)

print("\nQuestion 7\n")

x=str(input("Enter something: "))

print("Reserse string: ",x[::-1])

for i in range(0,len(x)):

    if x[i] in ['a','e','i','o','u']:

        print(x[i],"at",i ,"index")

print("\nQuestion 8\n")

x="hello my name is abcde"

y=x.split(" ")

for i in range(len(y)):

    if len(y[i])%2==0:

        print("Even letter words in the string are: ",y[i])

print("\nQuestion 9\n")

x=[1,2,3,4,5,6,7,8,9,-1]

for i in range(0,len(x)):

    for j in range(0,len(x)):

        if x[i]+x[j]==8 and i!=j:

            print("Numbers make total of 8 are:",x[i],"and", x[j])

print("\nQuestion 10\n")

even\_list=[]

odd\_list=[]

while len(even\_list)<=4 or len(odd\_list)<=4:

    x=int(input("Please enter number between 1 and 50: "))

    if x%2==0 and len(even\_list)<=5:

        even\_list.append(x)

    elif x%2!=0 and len(odd\_list)<=5:

        odd\_list.append(x)

print("\nsum of first five entered even mumbers are=",sum(even\_list),

    "\nmaximum of first five entered even numbers is=",max(even\_list),

    "\nsum of first five entered odd mumbers are=",sum(odd\_list),

    "\nmaximum of first five entered odd numbers is=",max(odd\_list))

print("\nQuestion 11\n")

x=str(input("please enter something: "))

count={"a":0,"b":0,"c":0}

for i in range(len(x)):

    if x[i].isalpha():

        if str(x[i])=="a":

            count["a"]=count["a"]+1

        elif str(x[i])=="b":

            count["b"]=count["b"]+1

        elif str(x[i])=="c":

            count["c"]=count["c"]+1

print(count)

print("\nQuestion 12\n")

x=(1,2,3,4,5,6,7,8,9,10)

y=list()

for i in range(len(x)):

    if x[i]%2==0:

        y.append(x[i])

z=tuple(y)

print(z)

**Output:**





