LIST OF LAB QUESTION(S)

PROGRAMMING IN PYTHON : ICT 160

[APPLICABLE FOR BATCH CODES: RA B1-B ; AIDS B2-A,B, RA B2-A,B ; AIML B2-A; IIOT B1-A,B]

Q1) Write a Program to perform string manipulation operations using set of pre-defined functions such as :

a) Find()
b) Upper()
c) Len()
d) Max() and Min()
e) Fetching a specific content from the String

Q2) Write a Program to perform to test and check the mathematical functions such as :

a) Ceil()
b) Sqrt()
c) Pow()
d) Factorial()

Q3) Write a Program that receive a number as input from user and returns if it odd or even number.

Q4) Write a Program that receive input from the user to calculate the Area of Triangle

Q5) Write a Program that receive input from the user to calculate the Area of Square

Q6) Write a Program that receive input from the user to calculate the Area of Rectangle

Q7) Write a Program to check if the input string is Palindrome or not

Q8) Write a Program that receives marks of a students for a subject as input and assign the grades A||B||C||D||E||F

Q9) Write a Program to compute the GCD of the two numbers.

Q10) Write a Program to check if the given number is Armstrong number or not. Example of Armstrong number are :- 153, 370, 371 etc.

Q11) Write a Program to check if the input year is a leap year or not

Q12) Write a Program to computer factorial of a given number

Q13) Write a Program to generate Fibonacci series till 100.

Q14) Write a Program to create a two list and perform the following operation's :

1) Add the Elements of the two list.

2) Compare the contents of the two list.

3) to find the number of the elements in the list.

4) Sort the elements of the list

5) Reverse the contents of the List.

Q15) Write a Program to create and display the content of the tuple. Initialize the tuple with the name of the cities. Display content of the tuple along with name/index positions of the cities.

Q16) Write a program to create an Array of Even numbers till 14. Display the contents of array, compute the length of array and also show how to delete a element from the desired position from the array.

Q17) Using Filter function, write a program to filter the elements which are greater than 9.

Q18) Using Filter function, write a program to display multiple of 5 from a given array.

Q19) Write a Program to create a file called “Input.txt”, perform the write/read operation in it with a string “Computer Science”.

Q20) Write a Program to create a file called “Input.txt”, initialize it with a string of your choice and perform the read operation to read only the first 3 characters from the file.

Q21) Using NumPy, write a program to create 1 Dim Array, load it with numbers, and perform the operation of Iteration and Slicing on it.

Q22) Using NumPy, write a program to create Multi-Dim Array, load it with the numbers and display the content of it.

Q23) Using NumPy, write a program to create two 1 Dim Array and perform the operation of Iteration, Sorting the contents of array and concatenating the contents of the array.

Q24) Using NumPy, initialize the array and display their dimensionality.

Q25) Using Panda, create a DataFrame, initialize it with the contents such as : your Enrollment Number and Name and display them.

Q26) Create 2 array, using the MatPlotLib, plot the graph with the content of the two array, with coordinates plotting on X axis and Y axis.

Q27) Create a .csv file(with contents like : Age, Weight and BMI). Read the content of the file and using Panda and MatPlotLib, plot the graph.

Q28) Create a .csv file(with contents like : Age, Weight and BMI). Read the content of the file and using Panda and MatPlotLib, plot the histogram

Q29) Write a Program to create a class called ‘Student’ with fields such as : Enrollment Number, USS Name, Branch Name, Student Name etc. Instantiate a class and make a call to user defined function to display the details of students.

Q30) Define Employee Class with fields such as Employee ID and Employee Name. Instantiate the class, invoke the constructor and make a call to user defined function to display the information about employee.

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PRATICAL FILE

Programming In Python

ICT 160

B.Tech 2nd Semester

SUBMITTED BY:

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Practical No. 1

Write a program to perform string manipulation operations using set of pre defined functions as :

(a) Find() (b) Upper() (c) Len() (d) Max() (e) Min() (f) Fetch string

Input :

```
txt = input("Enter the String ")
while True:
    print("=============MAIN MENU============")
    print("1.find\n2.Upper\n3.Len\n4.Max\n5.Min\n6.Fetch")
    ch=int(input("Enter the choice "))
    if ch==1:
        x = txt.find("aura")
        print(x)
    elif ch==2:
        print(txt.upper())
    elif ch==3:
        print(len(txt))
    elif ch==4:
        print(max(txt))
    elif ch==5:
        print(min(txt))
    elif ch==6:
        x=txt.split(" ")
        print(x)
    repeat=input("Do You want to continue to main program or Not (Y/N) ?? ")
    if repeat!="Y" and repeat!="y":
        print("Thank You")
        break
```

Output:

```
PS D:\Python Practical File> python -u "d:\Python Practical File\tempCodeRunnerFile.py"
Enter the String Saurav
============MAIN MENU===========
1.find
2.Upper
3.Len
4.Max
5.Min
6.Fetch
Enter the choice 1
1
Do You want to continue to main program or Not (Y/N) ?? y
============MAIN MENU===========
1.find
2.Upper
3.Len
4.Max
5.Min
6.Fetch
Enter the choice 2
SAURAV
Do You want to continue to main program or Not (Y/N) ?? y
============MAIN MENU===========
1.find
2.Upper
3.Len
4.Max
5.Min
6.Fetch
Enter the choice 3
6
Do You want to continue to main program or Not (Y/N) ?? y
============MAIN MENU===========
1.find
2.Upper
3.Len
4.Max
5.Min
6.Fetch
Enter the choice 4
v
Do You want to continue to main program or Not (Y/N) ?? y
============MAIN MENU===========
```

```
Do You want to continue to main program or Not (Y/N) ?? y
============MAIN MENU===========
1.find
2.Upper
3.Len
4.Max
5.Min
6.Fetch
Enter the choice 5
S
Do You want to continue to main program or Not (Y/N) ?? y
============MAIN MENU===========
1.find
2.Upper
3.Len
4.Max
5.Min
6.Fetch
Enter the choice 6
['Saurav']
Do You want to continue to main program or Not (Y/N) ?? n
Thank You
PS D:\Python Practical File>
```

Practical No. 2

Write a program to perform to test and check the mathematical functions such as :

(a) Ceil() (b) Sqrt() (c) Pow (d) Factorial

Input :

```
import math
x = int(input("Enter the Number "))
while True:
    print("============MAIN MENU============")
    print("1.Ceil\n2.Sqrt\n3.Pow\n4.Factorial")
    ch=int(input("Enter the choice "))
    if ch==1:
        print ("The ceil of", x ,"is : ", end ="")
        print (math.ceil(x))
    elif ch==2:
        print(math.sqrt(x))
    elif ch==3:
        y=int(input("Enter the power of x"))
        print(pow(x,y))
    elif ch==4:
        print(math.factorial(x))
    repeat=input("Do You want to continue to main program or Not (Y/N) ?? ")
    if repeat!="Y" and repeat!="y":
        print("Thank You")
        break
```

Output :

```
PS D:\Python Practical File> python -u "d:\Python Practical File\2.py"
Enter the Number 12
============MAIN MENU============
1.Ceil
2.Sqrt
3.Pow
4.Factorial
Enter the choice 1
The ceil of 12 is : 12
Do You want to continue to main program or Not (Y/N) ?? y
============MAIN MENU============
1.Ceil
2.Sqrt
3.Pow
4.Factorial
Enter the choice 2
3.4641016151377544
Do You want to continue to main program or Not (Y/N) ?? y
============MAIN MENU============
1.Ceil
2.Sqrt
3.Pow
4.Factorial
Enter the choice 3
Enter the power of x2
144
Do You want to continue to main program or Not (Y/N) ?? y
============MAIN MENU============
1.Ceil
2.Sqrt
3.Pow
4.Factorial
Enter the choice 4
479001600
Do You want to continue to main program or Not (Y/N) ?? n
Thank You
PS D:\Python Practical File>
```

Practical No. 3

Write a Program that receive a number as input from user and returns if it odd or even number

Input :

```
x=int(input("Enter the Number"))
if(x%2==0):
    print(x,"Is Even Number")
else:
    print(x,"Is Odd Number")
```

Output:

```
PS D:\Python Practical File> python -u "d:\Python Practical File\1.py"
Enter the Number5
5 Is Odd Number
PS D:\Python Practical File> python -u "d:\Python Practical File\1.py"
Enter the Number4
4 Is Even Number
```

Practical No. 4

Write a Program that receive input from the user to calculate the Area of Triangle

Input :

```
y=int(input("Enter the Base of Triangle "))
z=int(input("Enter the Height of Triangle "))

tri= 1/2*y*z

print(tri,"Area Of Triangle")
```

Output :

```
PS D:\Python Practical File> python -u "d:\Python Practical File\1.py"
Enter the Base of Triangle 2
Enter the Height of Triangle 3
3.0 Area Of Triangle
PS D:\Python Practical File>
```

Practical No. 5

Write a Program that receive input from the user to calculate the area of Square

Input :

```
y=int(input("Enter the Side of Square "))

tri=y*y

print(tri,"Is Area Of Square")
```

Output :

```
PS D:\Python Practical File> python -u "d:\Python Practical File\1.py"
Enter the Side of Square 5
25 Area Of Square
PS D:\Python Practical File> python -u "d:\Python Practical File\1.py"
Enter the Side of Square 55
3025 Is Area Of Square
PS D:\Python Practical File>
```

Practical No. 6

Write a program that receive input from user to calculate area of Rectangle

Input :

```
y=int(input("Enter the length of Rectangle "))
x=int(input("Enter the Breadth Of Rectangle "))

tri=y*x

print(tri,"is Area Of Rectangle ")
```

Output :

```
PS D:\Python Practical File> python -u "d:\Python Practical File\1.py"
Enter the length of Rectangle 15
Enter the Breadth Of Rectangle 32
480 is Area Of Rectangle
PS D:\Python Practical File> python -u "d:\Python Practical File\1.py"
```

Practical No. 7

Write a Program to check if the string is Palindrome or Not

Input :

```
x=input("Enter the String ")
flag=0
i=0
j=len(x)-1
while i>j:
    if x[i]==x[j]:
        pass
    else:
        flag=1
        break
    i=i+1
    j=j-1
if flag==1:
    print(x,"is Not a Palindrome ")
else:
    print(x,"is a Palindrome ")
```

Output:

```
PS D:\Python Practical File> python -u "d:\Python Practical File\1.py"
Enter the String nitin
nitin is a Palindrome
PS D:\Python Practical File>
```

Practical No. 8

Write a Program that receives marks of a student for a subject as input and assign the grades A || B || C ||D || E || F

Input :

```
s1=int(input("Enter marks of the first subject: "))
s2=int(input("Enter marks of the second subject: "))
s3=int(input("Enter marks of the third subject: "))
s4=int(input("Enter marks of the fourth subject: "))
s5=int(input("Enter marks of the fifth subject: "))
avg=(s1+s2+s3+s4+s5)/5
if(avg>=90):
    print("Grade: A")
if(avg>=80 and avg<90):
    print("Grade: B")
if(avg>=70 and avg<80):
    print("Grade: C")
if(avg>=60 and avg<70):
    print("Grade: D")
else:
    print("Grade: F")
```

Output :

```
PS D:\Python Practical File> python -u "d:\Python Practical File\1.py"
Enter marks of the first subject: 58
Enter marks of the second subject: 98
Enter marks of the third subject: 65
Enter marks of the fourth subject: 48
Enter marks of the fifth subject: 56
Grade: D
```

Practical No. 9

Write a program to compute the GCD of 2 Numbers

Input :

```
x=int(input("Enter a Number "))
y=int(input("Enter a Number "))
if x > y:
    smaller = y
else:
    smaller = x
for i in range(1, smaller+1):
    if((x % i == 0) and (y % i == 0)):
        hcf = i
print("The H.C.F. is", hcf)
```

Output :

```
PS D:\Python Practical File> python -u "d:\Python Practical File\1.py"
Enter a Number 54
Enter a Number 24
The H.C.F. is 6
PS D:\Python Practical File>
```

Practical No. 10

Write a Program to check if the given number is Armstrong number or not.

Input :

```
n=int(input("Enter a Number "))
s=0
save=n
c=0
while n>0:
    c=c+1
    n=n//10
n=save
while n>0:
    r=n%10
    s=s+r**c
    n=n//10
if s==save:
    print(save, "is a Armstrong Number")
else:
    print(save, "is Not a Armstrong Number")
```

Output :

```
PS D:\Python Practical File> python -u "d:\Python Practical File\1.py"
Enter a Number 371
371 is a Armstrong Number
PS D:\Python Practical File> python -u "d:\Python Practical File\1.py"
Enter a Number 407
407 is a Armstrong Number
PS D:\Python Practical File> python -u "d:\Python Practical File\1.py"
Enter a Number 565
565 is Not a Armstrong Number
PS D:\Python Practical File>
```

Practical No. 11

Write a Program to check if the input year is a leap year or not

Input :

```
n=int(input("Enter a Number "))
if(n%4==0 and n%100!=0 or n%400==0):
    print(n," is a leap year")
else:
    print(n," isn't a leap year")
```

Output :

```
PS D:\Python Practical File> python -u "d:\Python Practical File\1.py"
Enter a Number 1600
1600  is a leap year
PS D:\Python Practical File> python -u "d:\Python Practical File\1.py"
Enter a Number 2000
2000  is a leap year
PS D:\Python Practical File> python -u "d:\Python Practical File\1.py"
Enter a Number 1900
1900  isn't a leap year
PS D:\Python Practical File>
```

Practical No. 12

Write a Program to compute factorial of a given Number

Input :

```
n=int(input("Enter a Number "))
p=1
i=1
while i<=n:
    p=p*i
    i=i+1
print(p,"is the factorial of",n)
```

Output:

```
PS D:\Python Practical File> python -u "d:\Python Practical File\1.py"
Enter a Number 5
120 is the factorial of 5
PS D:\Python Practical File> python -u "d:\Python Practical File\1.py"
Enter a Number 12
479001600 is the factorial of 12
PS D:\Python Practical File>
```

Practical No. 13

Write a Program to print Fibonacci Series till 100

Input :

```
x,y=0,1
while y<100:
    print(y)
    x,y = y,x+y
```

Output :

```
PS D:\Python Practical File> python -u "d:\Python Practical File\2.py"
1
1
2
1
1
2
3
5
8
13
21
34
55
89
PS D:\Python Practical File>
```

Practical no. 14

Write a program to create a two list and perform the following sequence

(a) Add the elements of the lists
(b) Compare the content of the list
(c) To find the no. of the elements of the list
(d) Sort the Elements of the list
(e) Reverse the contents of the list

Input:

```
from audioop import reverse
txt = input("Enter the String ")

txt2 = input("Enter the String ")
while True:

    print("=============MAIN MENU============")

    print("1.Add\n2.Compare\n3.Len\n4.sort\n5.reverse")
    ch=int(input("Enter the choice "))
    if ch==1:
        x = txt + txt2
        print(x)


    elif ch==2:
        if txt == txt2:
            print("Srings are Equal")
        else:
            print("Strings are not Equal")


    elif ch==3:
        print(len(txt))
        print(len(txt2))


    elif ch==4:
```

```
        print(sorted(txt))
        print(sorted(txt2))


    elif ch==5:
        while True:
            print("1.First String\n2.Second String")
            ch1=int(input("Enter your Choice "))


            if ch1==1:
                x=txt
                i=len(x)-1
                y=" "
                while i>=0:
                    y=y+x[i]
                    i=i-1
                print(y)


            if ch1==2:
                x=txt2
                i=len(x)-1
                y=" "
                while i>=0:
                    y=y+x[i]
                    i=i-1
                print(y)
            break


    repeat=input("Do You want to continue to main program or Not (Y/N) ?? ")
    if repeat!="Y" and repeat!="y":
        print("Thank You")
        break
```

Output:

```
PS D:\Python Practical File> python -u "d:\Python Practical File\2.py"
Enter the String Saurav
Enter the String Patra
============MAIN MENU===========
1.Add
2.Compare
3.Len
4.sort
5.reverse
Enter the choice 1
SauravPatra
Do You want to continue to main program or Not (Y/N) ?? y
============MAIN MENU===========
1.Add
2.Compare
3.Len
4.sort
5.reverse
Enter the choice 2
Strings are not Equal
Do You want to continue to main program or Not (Y/N) ?? y
============MAIN MENU===========
1.Add
2.Compare
3.Len
4.sort
5.reverse
Enter the choice 3
6
5
Do You want to continue to main program or Not (Y/N) ?? y
============MAIN MENU===========
1.Add
2.Compare
3.Len
4.sort
5.reverse
Enter the choice 4
['S', 'a', 'a', 'r', 'u', 'v']
['P', 'a', 'a', 'r', 't']
Do You want to continue to main program or Not (Y/N) ?? y
============MAIN MENU===========
1.Add
```

```
['S', 'a', 'a', 'r', 'u', 'v']
['P', 'a', 'a', 'r', 't']
Do You want to continue to main program or Not (Y/N) ?? y
============MAIN MENU============
1.Add
2.Compare
3.Len
4.sort
5.reverse
Enter the choice 5
1.First String
2.Second String
Enter your Choice 1
 varuaS
Do You want to continue to main program or Not (Y/N) ?? y
============MAIN MENU============
1.Add
2.Compare
3.Len
4.sort
5.reverse
Enter the choice 5
1.First String
2.Second String
Enter your Choice 2
 artaP
Do You want to continue to main program or Not (Y/N) ?? n
Thank You
PS D:\Python Practical File>
```

Q15 Write a Program to create and display the content of the tuple. Initialize the tuple with the name of the cities.

Input:

```
tup = ('Delhi','Mumbai','Chennai','Kolkata','Bhubaneswar')
print(tup)
print(tup.index('Delhi'))
print(tup.index('Mumbai'))
print(tup.index('Chennai'))
print(tup.index('Kolkata'))
print(tup.index('Bhubaneswar'))
```

Output:

```
PS D:\Python Practical File> python -u "d:\Python Practical File\2.py"
('Delhi', 'Mumbai', 'Chennai', 'Kolkata', 'Bhubaneswar')
0
1
2
3
4
PS D:\Python Practical File>
```

Q16 Write a program to create an Array of Even numbers till 14. Display the contents of array, compute the length of array and also show how to delete a element from the desired position from the array.

Input

```
from operator import index
import numpy as np
array=np.arange(2,15,2)
print("Array of even integers from 0 to 14 ",array)

print("Length of array",len(array))

index = int(input("Enter the Index "))

b=np.delete(array,index)
print(b)
```

Output

```
PS D:\Python Practical File> python -u "d:\Python Practical File\2.py"
Array of even integers from 0 to 14  [ 2  4  6  8 10 12 14]
Length of array 7
Enter the Index 5
[ 2  4  6  8 10 14]
PS D:\Python Practical File>
```

Q17 Using Filter function, write a program to filter the elements which are greater than 9

Input

```
def check(x):
    if x>9:
        return x
result = filter(check,(1,2,6,11,12,16,45,8))
print(list(result))
```

Output

```
PS D:\Python Practical File> python -u "d:\Python Practical File\2.py"
[11, 12, 16, 45]
PS D:\Python Practical File>
```

Q18 Using Filter function, write a program to display multiple of 5 from a given array

Input

```
def mof5(val):
    if val%5==0:
        return val
result =
filter(mof5,(1,58,56,56789,895958,25255,4555,9865,123669,49,6,58855,1000))
result = list(result)
print(result)
```

Output

```
PS D:\Python Practical File> python -u "d:\Python Practical File\2.py"
[25255, 4555, 9865, 58855, 1000]
PS D:\Python Practical File>
```

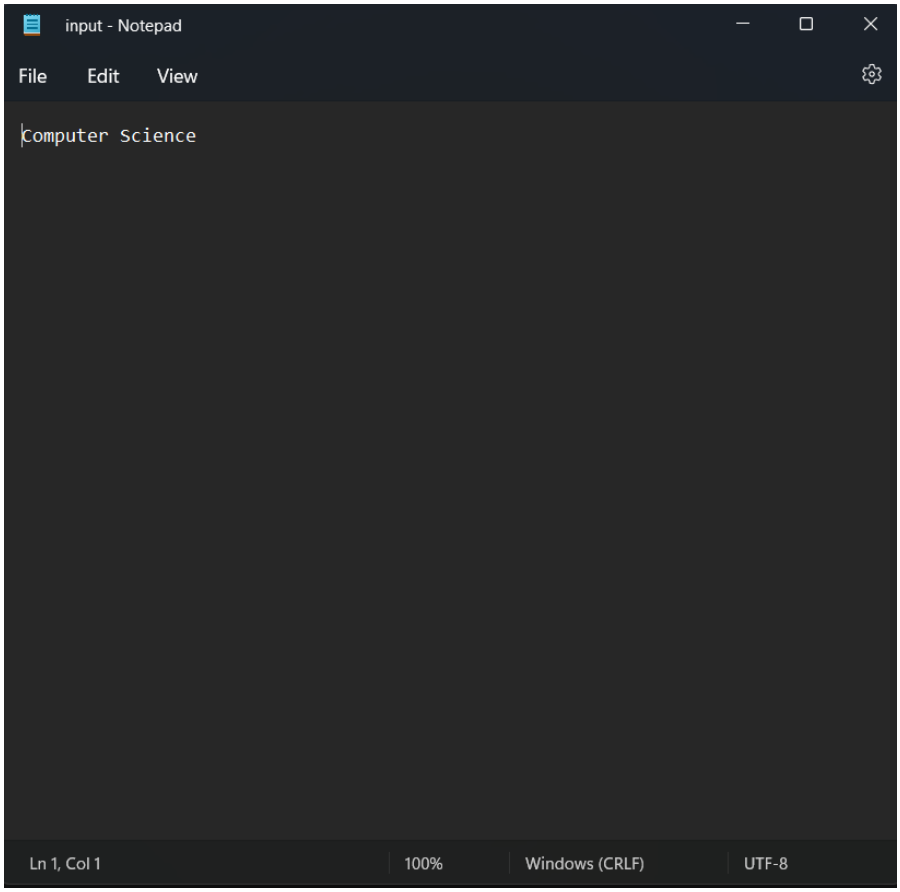
Q19 Write a Program to create a file called “Input.txt”, perform the write/read operation in it with a string “Computer Science”

Input

```
f=open("input.txt","x")
f.write("Computer Science")
f.close()

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

Output




```
PS D:\Python Practical File> python -u "d:\Python Practical File\2.py"
Computer Science
PS D:\Python Practical File>
```

Q20 Write a Program to create a file called “Input.txt”, initialize it with a string of your choice and perform the read operation to read only the first 3 characters from the file

Input

```
f=open("input.txt","w")
f.write("Hello World!!")
f.close()

f=open("input.txt","r")
print(f.read(3))
f.close()
```

output

```
PS D:\Python Practical File> python -u "d:\Python Practical File\tempCodeRunnerFile.py"
Hel
PS D:\Python Practical File>
```

Q21 Using NumPy, write a program to create 1 Dim Array, load it with numbers, and perform the operation of Iteration and Slicing on it.

Input

```
import numpy as np
arr=np.array([1,22,333,44,555])
print(arr.dtype)
for x in arr:
    print(x)
print(arr[1])
print(arr[1:3])
print(arr[2]+arr[3])
```

Output

```
PS D:\Python Practical File> python -u "d:\Python Practical File\2.py"
int32
1
22
333
44
555
22
[ 22 333]
377
PS D:\Python Practical File>
```

Q22 Using NumPy, write a program to create Multi-Dim Array, load it with the numbers and display the content of it.

Input

```
import numpy as np
arr=np.array([[1,22,333,44,555],[6,77,888,99,100]])
print('2nd Element on 1st row: ',arr[0,1])
print('5th Element on 2nd row: ',arr[1,4])
print('Last Element from 2nd dim; ',arr[1,-1])
for x in arr:
    for y in x:
        print(y)
```

Output

```
PS D:\Python Practical File> python -u "d:\Python Practical File\2.py"
2nd Element on 1st row:  22
5th Element on 2nd row:  100
Last Element from 2nd dim;  100
1
22
333
44
555
6
77
888
99
100
PS D:\Python Practical File>
```

Q23 Using NumPy, write a program to create two 1 Dim Array and perform the operation of Iteration, Sorting the contents of array and concatenating the contents of the array

Input

```
import numpy as np
arr = np.array([1,1,1,2,5,7,4])
x=np.where(arr==2)
print(np.sort(arr))
print(x)

arr1=np.array([4,5,6])
arr2=np.concatenate((arr,arr1))
print(arr2)
```

Output

```
PS D:\Python Practical File> python -u "d:\Python Practical File\2.py"
[1 1 1 2 4 5 7]
(array([3], dtype=int64),)
[1 1 1 2 5 7 4 4 5 6]
PS D:\Python Practical File>
```

Q24 Using NumPy, initialize the array and display their dimensionality

Input

```
import numpy as np
a=np.array(45)
b=np.array([1,2,3,4,5])
c=np.array([[1,2,3],[4,5,6]])
d=np.array([[[1,2,3],[4,5,6]],[[7,8,9],[10,11,12]]])

print(a.ndim)
print(b.ndim)
print(c.ndim)
print(d.ndim)
```

Output

```
PS D:\Python Practical File> python -u "d:\Python Practical File\2.py"
0
1
2
3
PS D:\Python Practical File>
```

Q25 Using Panda, create a DataFrame, initialize it with the contents such as : your Enrollment Number and Name and display them

Input

```
import pandas as pd

mydataset={'Student Name': ["Amit","Amita","Anita"],'Enrollment Number':
[10,20,30]}
num=pd.DataFrame(mydataset)
print(num)
```

Output

```
PS D:\Python Practical File> python -u "d:\Python Practical File\2.py"
  Student Name  Enrollment Number
0         Amit                 10
1        Amita                 20
2        Anita                 30
PS D:\Python Practical File>
```

Q26 Create 2 array, using the MatPlotLib, plot the graph with the content of the two array, with coordinates plotting on X axis and Y axis

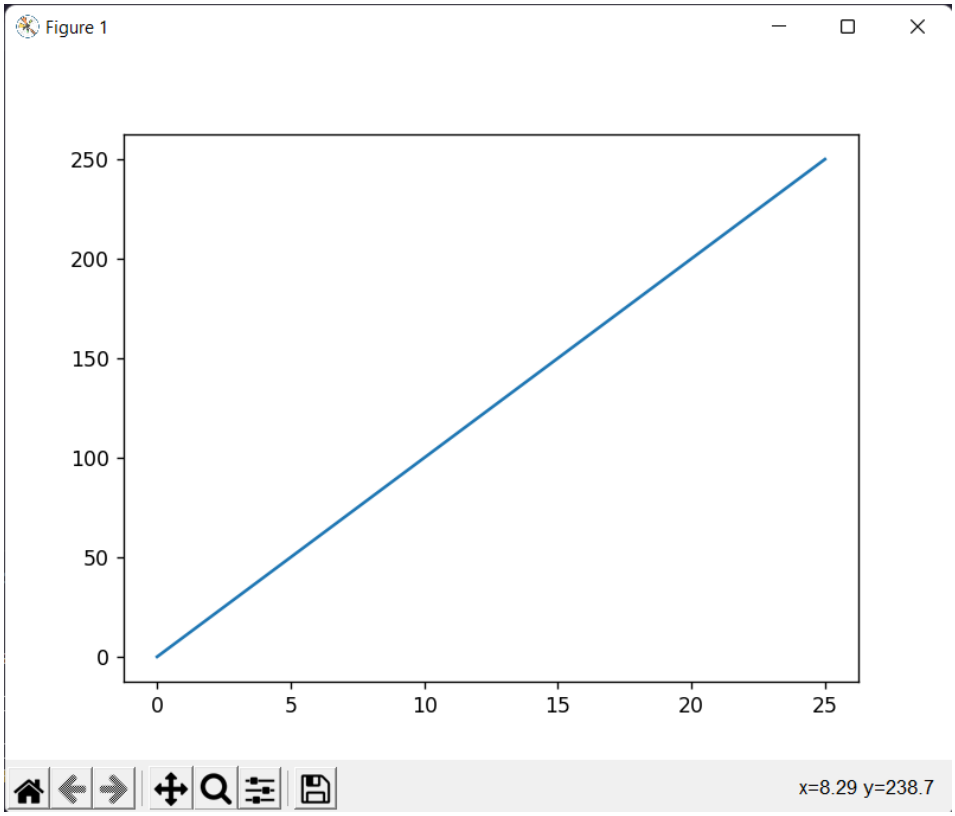
Input

```
import matplotlib.pyplot as plt
import numpy as np

xp=np.array([0,25])
yp=np.array([0,250])

plt.plot(xp,yp)
plt.show()
```

Output



Q27 Create a .csv file with contents like : Age, Weight and BMI). Read the content of the file and using Panda and MatPlotLib, plot the graph.

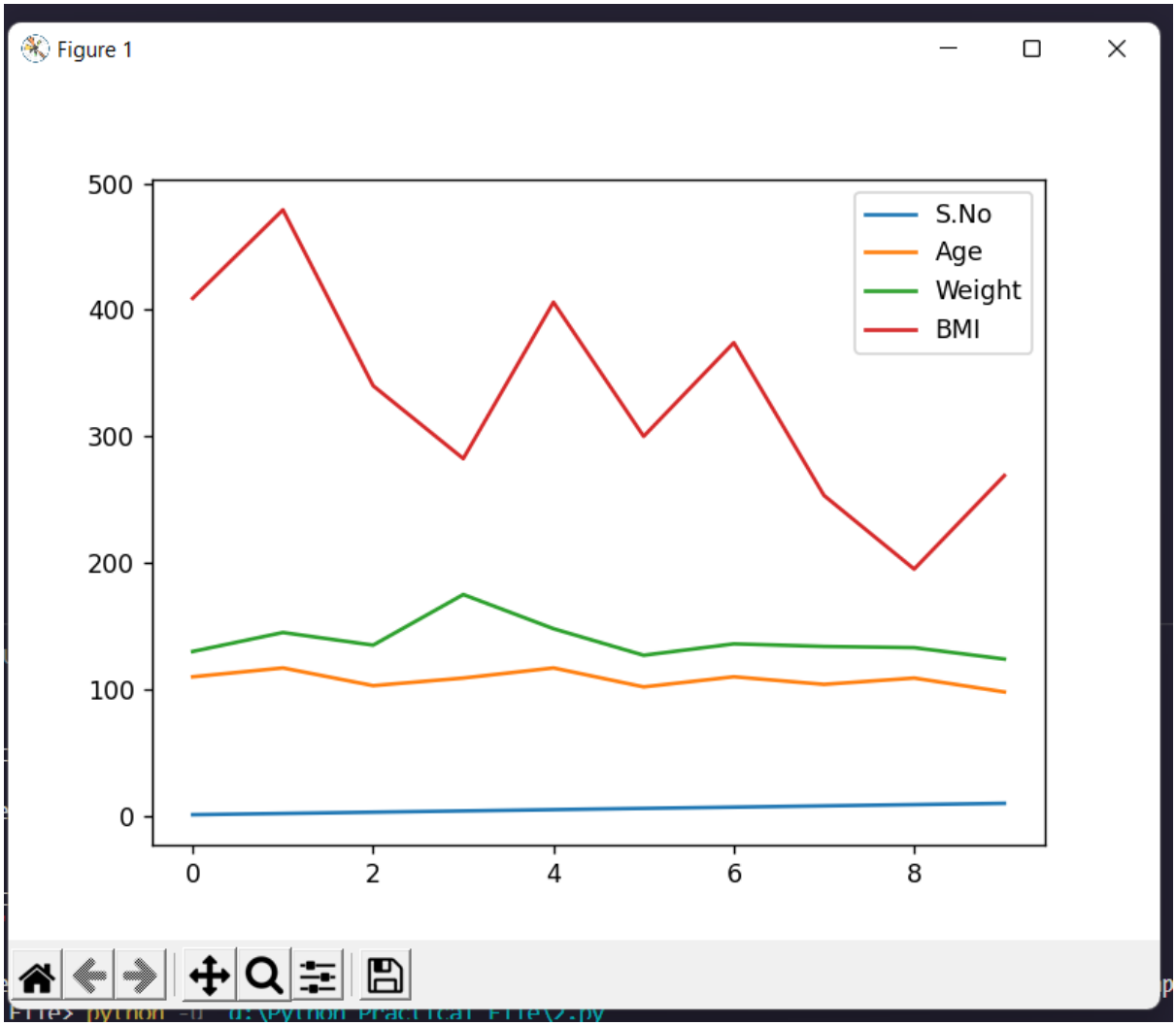
input

```
import pandas as pd
import matplotlib.pyplot as plt

df = pd.read_csv('C:\\Users\\Saurav Patra\\Documents\\data1.csv')

df.plot()
plt.show()
```

output



Q28) Create a .csv file(with contents like : Age, Weight and BMI). Read the content of the file and using Panda and MatPlotLib, plot the histogram

Input

```
import pandas as pd
import matplotlib.pyplot as plt

df = pd.read_csv('C:\\Users\\Saurav Patra\\Documents\\data1.csv')

df.plot(kind='hist')
plt.show()
```

Output

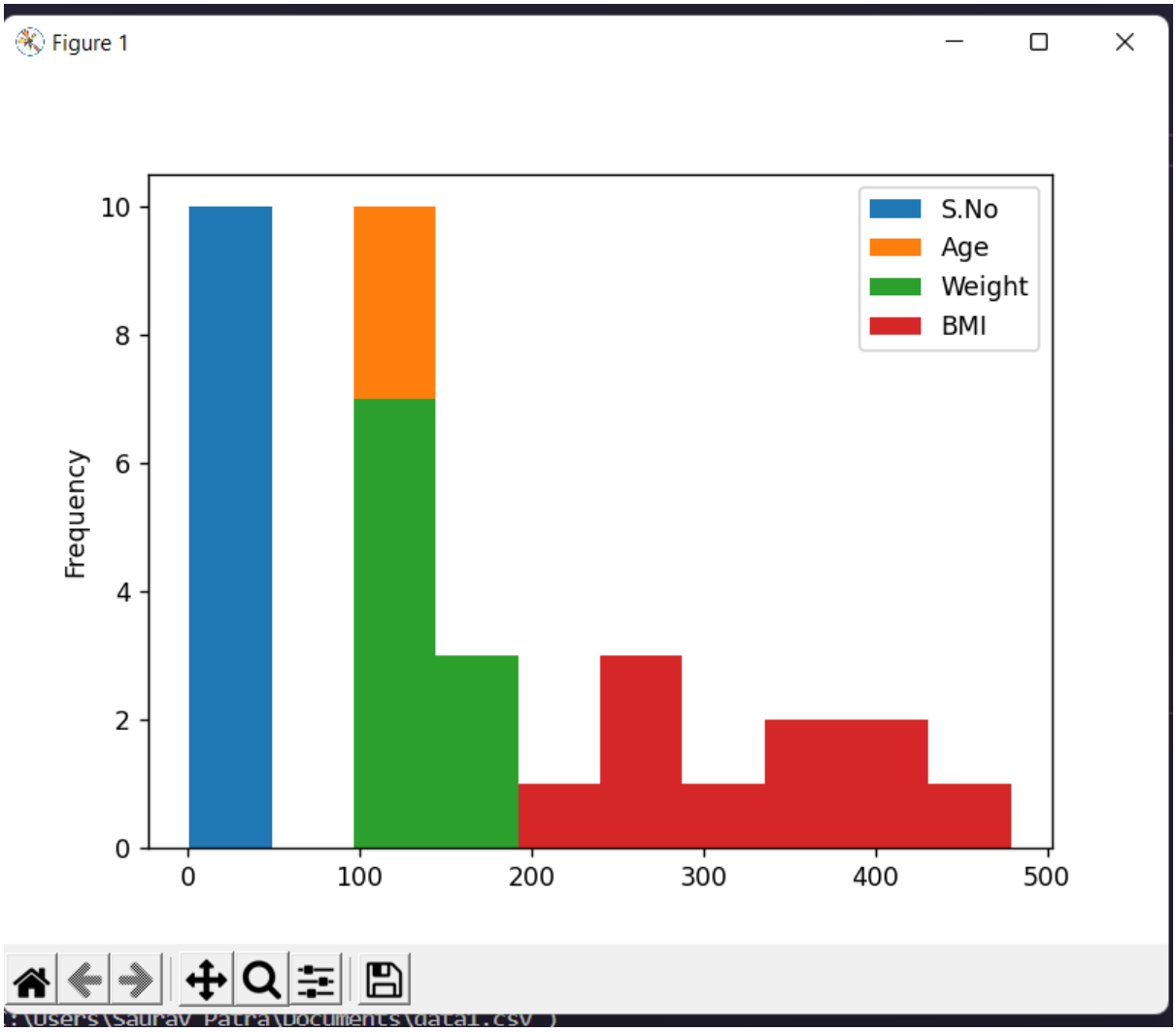


Figure 1
S.No
Age
Weight
BMI
Frequency
0
2
4
6
8
10
0
100
200
300
400
500

Q29 Write a Program to create a class called ‘Student’ with fields such as : Enrollment Number, USS Name, Branch Name, Student Name etc. Instantiate a class and make a call to user defined function to display the details of students.

Input

```
class student:

    def __init__(self, name, EnrollmentNo, branch, USSName):
        self.name = name
        self.EnrollmentNo = EnrollmentNo
        self.branch = branch
        self.USSName = USSName

student = student(
    "Aditiya",
    "02719012020",
    "Automation and Robotics",
    "University School Of Automation and Robotics",
)

print(student.name)
print(student.EnrollmentNo)
print(student.branch)
print(student.USSName)
```

Output

```
PS D:\Python Practical File> python -u "d:\Python Practical File\2.py"
Aditiya
02719012020
Automation and Robotics
University School Of Automation and Robotics
PS D:\Python Practical File>
```

Q30 Define Employee Class with fields such as Employee ID and Employee Name. Instantiate the class, invoke the constructor and make a call to user defined function to display the information about employee

Input

```
class Employee:

   def __init__(self, name, id):
      self.name = name
      self.id = id

   def displayEmployee(self):
      print ("Name : ", self.name,  ", id: ", self.id)

emp1 = Employee("Zoya", 2247)
emp2 = Employee("Aafreen", 3275)
emp1.displayEmployee()
emp2.displayEmployee()
```

output

```
PS D:\Python Practical File> python -u "d:\Python Practical File\tempCodeRunnerFile.py"
Name :  Zoya , id:  2247
Name :  Aafreen , id:  3275
PS D:\Python Practical File>
```