```
Random value is: 0.32383276483316237
```

```
import random
#random range
print(random.randrange(77))

print(random.randrange(5,77))
```

```
19
55
```

```
import random
#random in int

ran7=random.randint(5,50)
print(ran7)

ran5=random.randint(-70,-5)
print(ran5)
```

```
46
-64
```

```
# import random
#random choice
Colours=['sky blue','pink','red','black','green']
print(random.choice(Colours))


import random
#shuffle set
lis=set(range(17))
print(lis)
```

```
{0, 1, 2, 3, 4, 5, 6, 7, 8, 9, 10, 11, 12, 13, 14, 15, 16}
```

```
lis=[0, 1, 2, 3, 4, 5, 6, 7, 8, 9, 10, 11, 12, 13, 14, 15, 16]
random.shuffle(lis)
print(lis)
```

```
[10, 5, 2, 9, 7, 4, 0, 12, 8, 11, 3, 14, 13, 16, 15, 1, 6]
```

DAY-19 JULY-29

```
#syntax:
open('File path name','Modes of operation')

f=open('D:\\python programming\\text.txt','r')
print(f.read())
```

```
File Handling

>>fie handling is an important part of any web application
>>python has a several functions for creating, reading, updating, and deleting files
```

DAY-20 JULY-30

```
#FILE HANDLING

#\n- next time

print('Hello','Good Evening')

print('Hello','\nGood Evening','\nHave a Nice Day')
```

```
Hello Good Evening
Hello
Good Evening
Have a Nice Day
```

```
#\t- tab space

print('Hello','\tGood Evening','\tHave a Nice Day')
```

```
Hello	Good Evening	Have a Nice Day
```

```
#w- open a file and write

w=open('D:\\python programming\\w-text.txt','w')
print(w.write('w- used to write content in the file. for 1st time opening the file we can use w but to write again in the same file we should not use (w) instead use append-a'))
w.close()
```

```
159
```

```
#w- use a-append to use add new content in the alreary existing file, \n to print content in next line

w=open('D:\\python programming\\w-text.txt','a')
print(w.write('\nuse a-append to add new content in the alreary existing file .if we use w it will remove the content that is already existing in the file'))
w.close()
```

```
138
```

```
# r+ , w+ - both read & write operation

f=open('D:\\python programming\\r-text.txt','w+')
print(f.read())
print(f.write('\nboth r+ & w+ is used to read and write operation'))
f.close()
```

```
49
```

```
# How to read and write the CSV file (Common Seperated Value)
#excel is used in csv mode because it will menimise storage
f=open('D:\\python programming\\r.xls.csv','r')
print(f.read())
```

```
student data,,,,
"s,no",name,roll no,score,grade
1,Lavanya Sree,A216201,9.5,O
2,Anusuya,A216202,9.9,O
3,Meera,A216203,9.8,O
4,Monisha,A216204,9,O
5,Shalini,A216205,9,O
6,Rakshitha,A216206,8.5,D
7,Kavitha,A216207,9.4,O
8,Najim,A216208,8.8,D
9,Komathi,A216209,9.3,O
10,Madhu,A216210,9.9,O
11,Keerthi sri,A216211,9.7,O
12,Sharon,A216212,8.2,D
13,Sofia,A216213,9,O
```

DAY-21 AUG-5

```
#importing the csv file

import csv
#Giving the column value in list
colum=['s.no','Name','Department','Rank']

#Creating the list for row values
rows=[1,'Anu','Bio Informatics','1'],[2,'Meera','Genetics','3'],
[3,'Shalini','CS','5']
with open ('D:\\python programming\\w.xls.csv','w') as e:
    #Creating the csv file
    writer=csv.writer(e)
    #writing fields in the csv file
```

```
    writer.writerow(colum)
    #writing row values in the csv file
    writer.writerows(rows)


# copy content of 1 file to another file

with open ('D:\\python programming\\w-text.txt','r') as
firstfile,open('D:\\python programming\\sec.txt','a') as secondfile:
#read content from first file
    for line in firstfile:
        #append content to second file
        secondfile.write(line)


#split file

with open ('D:\\python programming\\w-text.txt','r') as file:
    data=file.readlines()
    for line in data:
        word=line.split()
        print(word)
```

```
['w-', 'used', 'to', 'write', 'content', 'in', 'the', 'file.', 'for',
'1st', 'time', 'opening', 'the', 'file', 'we', 'can', 'use', 'w',
'but', 'to', 'write', 'again', 'in', 'the', 'same', 'file', 'we',
'should', 'not', 'use', '(w)', 'instead', 'use', 'append-a']
['use', 'a-append', 'to', 'add', 'new', 'content', 'in', 'the',
'alreary', 'existing', 'file', '.if', 'we', 'use', 'w', 'it', 'will',
'remove', 'the', 'content', 'that', 'is', 'already', 'existing', 'in',
'the', 'file']
```

```
#calendar module

import calendar
print(calendar.calendar(2023))
```

```
                                  2023

      January                   February                  March
Mo Tu We Th Fr Sa Su      Mo Tu We Th Fr Sa Su      Mo Tu We Th Fr Sa
Su
                   1               1  2  3  4  5               1  2  3  4
5
 2  3  4  5  6  7  8       6  7  8  9 10 11 12       6  7  8  9 10 11
12
 9 10 11 12 13 14 15      13 14 15 16 17 18 19      13 14 15 16 17 18
19
16 17 18 19 20 21 22      20 21 22 23 24 25 26      20 21 22 23 24 25
26
23 24 25 26 27 28 29      27 28                     27 28 29 30 31
```

```
    print('The value is',e)


Enter the value:45 90,04.8-45/45
SyntaxError

# OS module - Operating system

import os

# mkdir - going to make the directory(Folder)

os.mkdir('D:\\Empty')

# getcwd - get the name of the current working directory

os.getcwd()

'C:\\Users\\ELCOT\\Desktop\\Python Anaconda'

# rmdir - its going to remove the directory

os.rmdir('D:\\Empty')

os.rename('D:\\python programming\\sec.txt','D:\\python programming\\
ABC.txt')

os.remove('D:\\python programming\\ABC.txt')
```

DAY-23 AUG-12

```
#OOPs - class is a key word. class is a collection of object

# Function in python

def is a key word for function

# Function Program


def find_max(x,y,z):
    max_number = max(x,y,z)
    return max_number

maximum = find_max(56,78,90)
print('The maximum number is:',maximum)

The maximum number is: 90

# write a python function to find the max of three numbers
```