Command line arguments

- It the process of passing the values to the program by the time of execution along with program name through command prompt

- We can pass N no.of.arguments any type of arguments by each value should be separated by space but string values are suggest to write in " " marks

- The values which we are passing through command line arguments those values will be stored in the predefined variable "argv" of type list from sys module

- argv[0] hold the file name
- from argv[1] through argv[n] hold the command line arguments

- the values which are passing through command line arguments will be considered as "str" type only thus base on our application requirements we need to convert them into required types using typecasting

Example:

```
import sys

filename=sys.argv[0]
first=sys.argv[1]
second=sys.argv[2]

print("Filename : ",filename)
print("First : ",first)
```

```
print("Second : ",second)

#py cmd1.py 10 20
output:
E:\Python_Online9\CMD>py cmd1.py 10 20
Filename :  cmd1.py
First :  10
Second :  20
```

Example 2:

```
#cmd2.py
import sys

print("Type of argv is : ",type(sys.argv)) #<class 'list'>
print("Data is : ",sys.argv)

#py cmd2.py 10 20 shashi kumar 3.14 Sssit
```

Example 3:

```
#ReadingAllValues.py

import sys,time

print("All The Command Line Arguments : ")

for i in sys.argv[1:]:
   time.sleep(1)
   print(i)

'''output:
E:\Python_Online9\CMD>
py ReadingAllTheValues.py 10 20 30 40 50 "shashi kumar"
```

```
"sssit" "kphb" "hyderabad"
All The Command Line Arguments :
10
20
30
40
50
shashi kumar
sssit
kphb '"
```

Example 4:

```
#cmdsum.py
import sys
first=sys.argv[1]
second=sys.argv[2]
result=int(first)+int(second)
print("Result is : ",result)
```

Output

```
E:\Python_Online9\CMD>py CmdSum.py 10 20
Result is :  30
```