

## **Command Line Arguments**

### **Agenda**

What are command line arguments?

How to pass them?

How to access them?



# What are command line arguments?





#### What are command line arguments?

- While running a Python program from command prompt, we can pass inputs to our program. Those inputs are called command line arguments.
- With this feature we can pass different inputs and check our program's working quickly.
- It helps in providing inputs even before the program execution starts through the python run command.

```
python file_name.py input1 input2 input3......inputn
```

- sys module helps in storing these inputs in a list.
- Our list of inputs can be accessed using the argv variable.



### **How to pass them?**





#### **How to pass them from command prompt?**

- In python run command we can mention our inputs after our file name.
- Each input must be separated by a space.

```
python demo.py 10 20
python demo.py Hello Arun
```

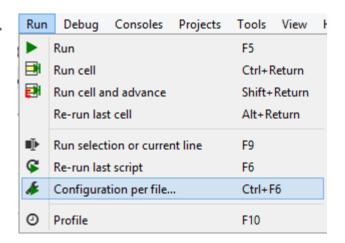
 If your input is made of more than one word lets say first name and last name, then enclose them in quotes.

```
python demo.py "Arun Kumar"

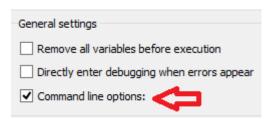
python demo.py "Cristiano Ronaldo" Portugal
```

#### **How to pass them in Spyder IDE?**

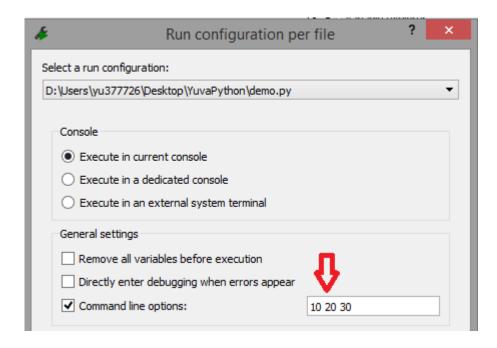
Select Run → Configuration per file..



#### Check Command line options:

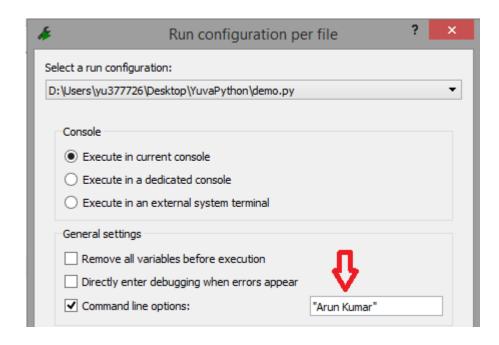


#### How to pass them in Spyder IDE? : Multiple inputs with space





# How to pass them in Spyder IDE? : Single input with more than one word



Click Ok.



### How to access them?





#### How to access them?

- Import argv from sys module.
- Inputs are stored in the list starting from index 1.

```
from sys import argv
print("num1 is ", argv[1])
print("num2 is ", argv[2])
```

```
> python demo.py 10 20
num1 is 10
num2 is 20
```

• All the inputs are stored as a string(str) in the list.

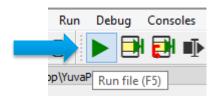
#### **How to access them?**

- What will be stored in argv[0] then?
- Answer is file name.

```
from sys import argv
print("File name is ", argv[0])
```

> python demo.py 10 20 File name is demo.py

• In Spyder IDE, after passing the command line options, click Run File icon.







# Thank you