

Practical-5 - Input and output in python

July 6, 2021

```
[2]: a=input("enter value:")  
      print(a)  
      print(type(a))
```

```
enter value:6  
6  
<class 'str'>
```

```
[3]: a=int(input("enter value:"))  
      print(a)  
      print(type(a))
```

```
enter value:7  
7  
<class 'int'>
```

```
[4]: a=int(input("enter value:"))  
      print(a)  
      print(type(a))
```

```
enter value:7.8
```

```
        
↳ -----  
  
      ValueError                                Traceback (most recent call  
↳ last)  
  
      <ipython-input-4-37e7f4576fef> in <module>  
----> 1 a=int(input("enter value:"))  
      2 print(a)  
      3 print(type(a))  
  
      ValueError: invalid literal for int() with base 10: '7.8'
```

```
[5]: a=float(input("enter value:"))
      print(a)
      print(type(a))
```

```
enter value:6
6.0
<class 'float'>
```

```
[6]: a=float(input("enter value:"))
      print(a)
      print(type(a))
```

```
enter value:n
```

```

      □
↳ -----

      ValueError                                Traceback (most recent call↳
↳ last)

      <ipython-input-6-82d0635ce7c8> in <module>
----> 1 a=float(input("enter value:"))
      2 print(a)
      3 print(type(a))

      ValueError: could not convert string to float: 'n'
```

```
[7]: import fileinput
```

```
[12]: for line in fileinput.input(files="demo.txt"):
      print(line)
```

```
Hello world
```

```
hello
```

```
world
```

```
hi
```

```
good
```

```
bye
```

```
[13]: a="demo.txt"
```

```
[14]: f1 = open(a, 'a+')
```

```
[17]: f1.write("my name is nisha")  
f1.seek(0)
```

```
[17]: 0
```

```
[18]: for line in fileinput.input(files=a):  
        print(line)
```

Hello world

hello

world

hi

good

byemy name is nishamy name is nisha

1 Take file name from the user

```
[20]: firstfile = input("Enter the name of first file ")
```

Enter the name of first file demo.txt

```
[21]: f1=open(firstfile,'r')
```

```
[22]: print(f1.read())
```

Hello world

hello

world

hi

good

byemy name is nishamy name is nisha

```
[27]: firstfile = input("Enter the name of first file ")  
secondfile = input("Enter the name of second file ")  
  
f1=open(firstfile,'a+')  
f2=open(secondfile,'r')  
  
f1.write(f2.read())
```

```
f1.seek(0)
f2.seek(0)

print("\nprint 1st file\n",f1.read())
print("\nprint 2nd file\n",f2.read())

f1.close()
f2.close()
```

Enter the name of first file demo.txt
Enter the name of second file demo2.txt

```
print 1st file
  Hello world
hello
world
hi
good
bye
Demo 2 file:
```

```
python is easy to learn
```

```
print 2nd file
  Demo 2 file:
```

```
python is easy to learn
```

```
[32]: file="demo3.txt"
      f1=open(file,'w')
      f1.write("My name is nisha.")
      f1.write("\npython is easy to learn.")
      f1.seek(0)
      f1.close()

      f2=open(file,'r')
      print(f2.read())
```

```
My name is nisha.
python is easy to learn.
```

```
[ ]:
```