

```
f = open('Python.txt' , 'w')
print("Hello Python How Are You!!", file = f)
f.close()
```

```
f = open('Python.txt')
inp = f.read()
print(inp)
```

```
print("Starts Now!!")
```

```
try:
    f = open('Python.txt' , 'r')
    f.write('Enjoy Python! \n')
except Exception as e:
    print("The Code Has An Error", e)
finally:
    print("GoodBye")
f.close()
```

☞ Hello Python How Are You!!

Starts Now!!  
The Code Has An Error not writable  
GoodBye

```
!pip install pylint
```

☞ Collecting pylint

```
Downloading https://files.pythonhosted.org/packages/e8/fb/734960c55474c8f74e6
|████████████████████████████████████████████████████████████████████████████████| 327kB 2.7MB/s
Collecting astroid<=2.5,>=2.4.0
Downloading https://files.pythonhosted.org/packages/24/a8/5133f51967fb21e46ee
|████████████████████████████████████████████████████████████████████████████████| 215kB 8.8MB/s
Collecting toml<=0.7.1
Downloading https://files.pythonhosted.org/packages/9f/e1/1b40b80f2e1663a6b9f
Collecting mccabe<0.7,>=0.6
Downloading https://files.pythonhosted.org/packages/87/89/479dc97e18549e21354
Collecting isort<5,>=4.2.5
Downloading https://files.pythonhosted.org/packages/e5/b0/c121fd1fa3419ea9bfd
|████████████████████████████████████████████████████████████████████████████████| 51kB 5.8MB/s
Collecting typed-ast<1.5,>=1.4.0; implementation_name == "cpython" and python_v
Downloading https://files.pythonhosted.org/packages/90/ed/5459080d95eb87a02fe
|████████████████████████████████████████████████████████████████████████████████| 747kB 10.1MB/s
Requirement already satisfied: six~=1.12 in /usr/local/lib/python3.6/dist-packa
Requirement already satisfied: wrapt~=1.11 in /usr/local/lib/python3.6/dist-pac
Collecting lazy-object-proxy==1.4.*
Downloading https://files.pythonhosted.org/packages/0b/dd/b1e3407e9e6913cf178
|████████████████████████████████████████████████████████████████████████████████| 61kB 7.7MB/s
Installing collected packages: typed-ast, lazy-object-proxy, astroid, toml, mcc
Successfully installed astroid-2.4.2 isort-4.3.21 lazy-object-proxy-1.4.3 mccab
```

```
# Unit testing to check a prime number.
```

```
%%writefile prime.py
'''This is a DocString explains Prime Number'''
NUM = 7
def prime_func(num):
    '''This is a Doc String'''
    if num > 1:
        for i in range(2, num):
            if(num % i) == 0:
                print(num, "is not a prime number")
                print(i, "times", num//i, "is", num)
            else:
                print(num, "is a prime number")
                break
    else:
        print(num, "is not a prime number")

prime_func(NUM)
print("GoodBye")
```

☞ Overwriting prime.py

```
!pylint prime.py
```

☞ \*\*\*\*\* Module prime  
prime.py:17:0: C0304: Final newline missing (missing-final-newline)

-----  
Your code has been rated at 9.17/10 (previous run: 9.09/10, +0.08)

```
!python prime.py
```

☞ 7 is a prime number  
GoodBye