

```
In [1]: import urllib.request
url = 'https://cf-courses-data.s3.us.cloud-object-storage.appdomain.cloud/IBMDDeveloperSkillsNetwork-PY0101EN-SkillsNetwork/labs/Module%204/data/example1.txt'
filename = 'Example1.txt'
urllib.request.urlretrieve(url, filename)
```

```
Out[1]: ('Example1.txt', <http.client.HTTPMessage at 0x7fb6040cf5f8>)
```

```
In [2]: # Download Example file

!wget -O /resources/data/Example1.txt https://cf-courses-data.s3.us.cloud-object-storage.appdomain.cloud/IBMDDeveloperSkillsNetwork-PY0101EN-SkillsNetwork/labs/Module%204/data/example1.txt

/resources/data/Example1.txt: No such file or directory
```

```
In [3]: example1 = "Example1.txt"
file1 = open(example1, "r")
```

```
In [4]: file1.name
```

```
Out[4]: 'Example1.txt'
```

```
In [5]: FileContent = file1.read()
FileContent
```

```
Out[5]: 'This is line 1 \nThis is line 2\nThis is line 3'
```

```
In [6]: print(FileContent)
```

```
This is line 1
This is line 2
This is line 3
```

```
In [7]: type(FileContent)
```

```
Out[7]: str
```

```
In [9]: with open(example1, "r") as file1:
        FileContent=file1.readlines()
        print(FileContent)
        #readlines for reading each and every line

['This is line 1 \n', 'This is line 2\n', 'This is line 3']
```

```
In [10]: file1.closed
```

```
Out[10]: True
```

```
In [11]: print(FileContent)

['This is line 1 \n', 'This is line 2\n', 'This is line 3']
```

```
In [13]: with open(example1, "r") as file1:
        print(file1.read(16))
        print(file1.read(30))
```

```
This is line 1
```

```
This is line 2
```

```
This is line 3
```

```
In [14]: with open(example1, "r") as file1:
        print(file1.read(16))
        print(file1.read(5))
        print(file1.read(9))
```

```
This is line 1
```

This  
is line 2

```
In [15]: with open(example1, "r") as file1:
          print("first line: " ,file1.readline())
```

first line: This is line 1

```
In [16]: with open(example1, "r") as file1:
          print(file1.readline(20)) # does not read past the end of line
          print(file1.read(20))
```

This is line 1

This is line 2

This

```
In [17]: #using loops
          with open(example1,"r") as file1:

              i = 0;
              for line in file1:
                  print("Iteration", str(i), ": ", line)
                  i = i + 1
```

Iteration 0 : This is line 1

Iteration 1 : This is line 2

Iteration 2 : This is line 3

```
In [18]: with open(example1, "r") as file1:
          FileasList = file1.readlines()
```

```
In [ ]:
```