In [4]:
```
# Exercise 1(a)

import os
os.getcwd()

os.chdir('C:\\Users\\kriti\\Downloads\\Lab7')

# read the temp.txt file
fh = open('temp.txt')
inp = fh.read()
print(inp)
```

```
1
2
3
Hello World!
Hello Python!
This is test file.
```

In [5]:
```
# Exercise 1(b)

# Save the contents of temp.txt file in a list
fh = open('temp.txt')
lines = fh.readlines()
print(lines)
```

```
['1\n', '2\n', '3\n', 'Hello World!\n', 'Hello Python!\n', 'This is test file.']
```

In [6]:
```
# Exercise 1(c)

# Write the contents into a new file
fh = open('test.txt', 'w')
fh.write("1\n2\n3\nHello World!\nHello Python!\nThis is test file.")
fh.close

fh = open('test.txt')
inp = fh.read()
print(inp)
```

```
1
2
3
Hello World!
Hello Python!
This is test file.
```

In [14]:
```
# Exercise 2

fh = open('article.txt', 'r')
inp = fh.read()
words = inp.split(' ')

dict1 ={}
for i in words:
    if i in dict1:
        dict1[i]+=1
    else:
        dict1[i]=1
```

```
sorted_keys = sorted(dict1.keys() , key = lambda x: str(x).lower())

for i in sorted_keys:
    print(str(i) + " : " + str(dict1[i]))
```

```
1 : 1
2 : 1
a : 1
already : 1
an : 1
answers : 1
background : 1
be : 1
before. : 1
Beginner : 1
but : 1
can : 1
classes : 1
could : 1
course. : 1
directly : 1
found : 1
from : 1
functions. : 1
gone : 1
has : 3
He : 1
in : 1
Intermediate : 1
introductory : 1
just : 2
learned : 1
means : 2
Normally, : 1
or : 2
problems : 1
programming : 1
Python : 2
Python, : 1
relatively : 1
solve : 1
some : 1
someone : 2
strong : 1
textbooks. : 1
the : 2
through : 1
who : 2
with : 1
```

In [ ]: