# Assignment - Files IO

## 1.

Write following list `s` into a text file `q1.txt` with each item occupying 1 line.

```
s = [chr(i) + '.txt' for i in range(ord('A'), ord('F'))]
```

Use following command to open `q1.txt` to verify the content in the file.

```
!notepad q1.txt
```

In [8]:
```
s = [chr(i) + '.txt' for i in range(ord('A'), ord('F'))]

with open('q1.txt','w') as f:
    for i in s:
        f.write(i + '\n')
```

In [9]:
```
!notepad q1.txt
```

In [3]:
```
!dir *.txt
```

```
 Volume in drive D is Data
 Volume Serial Number is D862-3D18

 Directory of D:\GoogleDrive\Learn-Python\Python-MOE-Teacher-Training-2020
\09 File IO

04/03/2020  02:05 PM                 0 B.txt
04/03/2020  02:05 PM                 0 C.txt
04/03/2020  02:05 PM                 0 D.txt
04/03/2020  02:05 PM                 0 E.txt
04/03/2020  01:57 PM                35 q1.txt
04/03/2020  08:56 AM               103 quote.txt
26/02/2020  09:46 AM               164 scope.txt
04/03/2020  11:22 AM                27 test.txt
               8 File(s)            329 bytes
               0 Dir(s)  32,300,343,296 bytes free
```

## 2.

For each line of text in `q1.txt` , generate an empty text file and name the file using that line of text. If file already exists, remove it before generate new file.

Use following code to check if a file exists.

```
import os
if os.path.exists(file_path): pass
```

Use following command to confirm that you have generated all files.

```
!ls *.txt
```

In [21]:

```
import os
with open('q1.txt') as f:
    s = f.readlines()
    for i in s:
        i = i.strip()
        if os.path.exists(i): os.remove(i)
        with open(i, 'w') as x:
            pass
```

In [2]:

```
!ls *.txt
```

```
q1.txt
quote.txt
scope.txt
test.txt
```