Quiz 02

Function

- Read valid IP –Addresses (of class 'C') from multiple text files.
- Create new file (output.txt) and then store Valid IP Addresses in this file.
- Convert (Output.txt) into Json File

File 1.txt

```
File   Edit   Format   View   Help
192.168.1.1
192.168.1.2
192.168.1.3
192.168.1.4
192.168.1.5
192.168.1.6
192.168.1.7
292.168.1.8
192.168.1.9
192.168.1.10
192.168.1.11
192.168.1.12
192.168.1.13
192.168.1.14
192.168.1.15
```

File 2.txt

```
File   Edit   Format   View   Help
192.168.2.1
192.168.2.2
192.168.2.3
192.168.2.4
192.168.2.5
192.168.2.6
192.168.2.7
292.168.2.8
192.168.2.9
192.168.2.10
192.168.2.11
192.168.2.12
192.168.2.13
192.168.2.14
192.168.2.15
```

File 3.txt

```
192.168.3.1
192.168.3.2
192.168.3.3
192.168.3.4
192.168.3.5
192.168.3.6
192.168.3.7
292.168.3.8
192.168.3.9
192.168.3.10
192.168.3.11
192.168.3.12
192.168.3.13
192.168.3.14
192.168.3.15
```

Main.Py

```python
import pandas as pd
import json

def txt_json(mul_files , jsonfile):
  with open("output_file.txt", "w" , newline = '') as outfile:
    for filename in mul_files:
      with open(filename) as infile:
        contents = infile.read()
        outfile.write(contents)
  file = open("output_file.txt","r")
  data = file.read()
  words = data.split()
  list =[]
  for word in words:
    if word[0] == '1':
      list.append(word)
      createjsonfile = open(jsonfile , 'w')
      json.dump(list, createjsonfile , indent = 6)

mul_files = ['file1.txt','file2.txt','file3.txt']
jsonfile = 'Json_file.json'

txt_json(mul_files , jsonfile)
```

Output_file.txt

< >	main.py file3.txt file1.txt file2.txt output_file.txt ⚙ Json_file.json

```
 1   192.168.1.1
 2   192.168.1.2
 3   192.168.1.3
 4   192.168.1.4
 5   192.168.1.5
 6   192.168.1.6
 7   192.168.1.7
 8   292.168.1.8
 9   192.168.1.9
10   192.168.1.10
11   192.168.1.11
12   192.168.1.12
13   192.168.1.13
14   192.168.1.14
15   192.168.1.15
16   192.168.2.1
17   192.168.2.2
18   192.168.2.3
19   192.168.2.4
20   192.168.2.5
21   192.168.2.6
22   192.168.2.7
23   292.168.2.8
24   192.168.2.9
25   192.168.2.10
26   192.168.2.11
27   192.168.2.12
28   192.168.2.13
29   192.168.2.14
30   192.168.2.15
31   192.168.3.1
32   192.168.3.2
33   192.168.3.3
34   192.168.3.4
35   192.168.3.5
36   192.168.3.6
37   192.168.3.7
38   292.168.3.8
39   192.168.3.9
40   192.168.3.10
41   192.168.3.11
42   192.168.3.12
43   192.168.3.13
44   192.168.3.14
45   192.168.3.15
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```

JsonFile.Json

```json
[
    "192.168.1.1",
    "192.168.1.2",
    "192.168.1.3",
    "192.168.1.4",
    "192.168.1.5",
    "192.168.1.6",
    "192.168.1.7",
    "192.168.1.9",
    "192.168.1.10",
    "192.168.1.11",
    "192.168.1.12",
    "192.168.1.13",
    "192.168.1.14",
    "192.168.1.15",
    "192.168.2.1",
    "192.168.2.2",
    "192.168.2.3",
    "192.168.2.4",
    "192.168.2.5",
    "192.168.2.6",
    "192.168.2.7",
    "192.168.2.9",
    "192.168.2.10",
    "192.168.2.11",
    "192.168.2.12",
    "192.168.2.13",
    "192.168.2.14",
    "192.168.2.15",
    "192.168.3.1",
    "192.168.3.2",
    "192.168.3.3",
    "192.168.3.4",
    "192.168.3.5",
    "192.168.3.6",
    "192.168.3.7",
    "192.168.3.9",
    "192.168.3.10",
    "192.168.3.11",
    "192.168.3.12",
    "192.168.3.13",
    "192.168.3.14",
    "192.168.3.15"
]
```