Python Assignment: File handling

Create python.txt file

```python
1  with open('Python.txt','w') as f:
2      f.write("Hello this is first PYTHON FILE\n")
3      f.writelines("We learn ,Its easy,\nI am enjoying")
```

1.find no of characters, no of words or number of lines in Python text file.

```python
1  with open('Python.txt','r') as f:
2      s=f.read()
3      l=f.readlines()
4      print(s)
5      print("*********************")
6      count=0
7      wd=0
8      c=0
9      for char in s:
10          count+=1
11      print("No of characters are=:",count)
12      for word in s.split(' '):
13          wd+=1
14      print("No of words are=:",wd)
15      for i in s.split('\n'):
16          c+=1
17      print("No of lines in the file Python.txt are:=",c)
18
19
```

```
Hello this is first PYTHON FILE
We learn ,Its easy,
I am enjoying
*********************
No of characters are=: 65
No of words are=: 11
No of lines in the file Python.txt are:= 3
```

2.Write a program to Count the number of upper-case alphabets present in a text file "PYTHON.TXT".

Ex: We Learn Python. 3 isupper()

```python
1  with open('Python.txt','r') as f:
2      s=f.read()
3      count=0
4      for char in s:
5          if char.isupper():
6              count+=1
7      print("No of Uppercase alphabets in file are:",count)
```

```
No of Uppercase alphabets in file are: 14
```

3. A text file "PYTHON.TXT" contains alphanumeric text. Write a program that reads this text file and writes to another file "PYTHON1.TXT" entire file except the numbers or digits in the file.

```python
 1  with open('Python.txt','w') as f:
 2      f.write("Hello this is first PYTHON FILE 1 2 3\n")
 3      f.writelines("from last 15 days we leaning python,50% syllabus has get covered")
 4  with open('Python.txt','r') as f:
 5      s=f.read()
 6  print(s)
 7  for char in s:
 8      if char.isnumeric():
 9          pass
10      else:
11          with open('Python2.txt','a') as f:
12              f.write(char)
13
14  print("********Output********")
15  with open('Python2.txt','r') as f:
16      print(f.read())
```

```
Hello this is first PYTHON FILE 1 2 3
from last 15 days we leaning python,50% syllabus has get covered
********Output********
Hello this is first PYTHON FILE
from last  days we leaning python,% syllabus has get covered
```

4.Write a program to count the words "to" and "the" present in a text file "python.txt".

```python
 1  with open('Python4.txt','w') as f:
 2      f.write("to to the the\n")
 3      f.writelines("to the")
 4  with open('Python4.txt','r') as f:
 5      s=f.read()
 6  print("Python4.txt=",s)
 7  print("****Output***")
 8  count=0
 9  c=0
10  Words = s.split() + s.split('\n')
11
12  for word in Words:
13      if word=='to':
14          count+=1
15      if word=='the':
16          c+=1
17  print("count the words, ","the=",c,"to=",count)
```

```
Python4.txt= to to the the
to the
****Output***
count the words,  the= 3 to= 3
```

5.Write a program to display all the lines in a file "python.txt" along with line/record number.

```python
 1  with open('Python5.txt','w') as f:
 2      f.write("Hello\n")
 3      f.write("Hi\n")
 4      f.write("Bye\n")
 5      f.write("This program displaying line number")
 6  with open('Python5.txt','r') as f:
 7      s=f.read()
 8      count=0
 9  for line in s.split('\n'):
10      count+=1
11      print(count,line)
```

```
1 Hello
2 Hi
3 Bye
4 This program displaying line number
```