Assignment-9

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1. **Program to read an entire text file**
   ```
   def file_read(fname): txt =
           open(fname)
           print(txt.read())

   file_read('abc.txt')
   ```

   Output:-
   Python Exercises Java
   Exercises

2. **Program to append the text to file and to display the text**
   ```
   def file_read(fname):
           from itertools import islice
           with open(fname, "w") as myfile: myfile.write("Python
                   Exercises\n") myfile.write("Java Exercises")
           txt = open(fname) print(txt.read())

   file_read('abc.txt')
   ```

   Output:-
   Python Exercises Java
   Exercises

3. Program to read a file line by line and to store in a variable

```python
def file_read(fname):
        with open (fname, "r") as myfile:
                data=myfile.readlines() print(data)

file_read('abc.txt')
```

Output:-
['Python Exercises\n', 'Java Exercises']

4. Program to read contents of file using for loop

```python
f=open("abc.txt","r") for
line in f:
        print(line)
f.close()
```

Output:-
Python Exercises Java

Exercises

5. **Program to remove leading and trailing spaces from a string**

```
import re
s = ' Hello World From Pankaj \t\n\r\tHi There ' print('Remove all spaces
using RegEx:\n', re.sub(r"\s+", "", s), sep='')
print('Remove leading spaces using RegEx:\n', re.sub(r"^\s+",
"", s), sep='')
print('Remove trailing spaces using RegEx:\n', re.sub(r"\s+$", "", s), sep='')
print('Remove leading and trailing spaces using Rete:\n',
re.sub(r"^\s+|\s+$", "", s), sep='')
```

Output:-
Remove all spaces using RegEx:
HelloWorldFromPankajHiThere Remove leading
spaces using RegEx: Hello World From Pankaj

   Hi There
Remove trailing spaces using RegEx: Hello
 World From Pankaj

   Hi There
Remove leading and trailing spaces using RegEx: Hello World
From Pankaj

   Hi There