

## Experiment No. 3

**Name ::** Mirza Zulfiqar Ali Jaffer Ali

**Moodle Id ::** 18102043

**Roll No. ::** 32

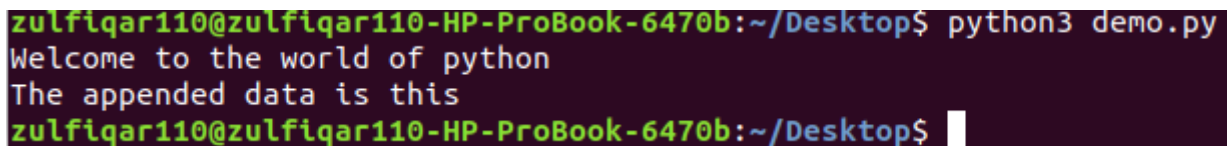
**Subject ::** OSTL

### Code :

1) Python program to append data to existing file and then display the entire file

```
f1 = open("Demo.txt", "w+")
f1.write("Welcome to the world of python")
f1 = open("Demo.txt", "a+")
f1.write("""
The appended data is this""")
f1.seek(0)
print(f1.read())
f1.close()
```

### **Output ::**



```
zulfiqar110@zulfiqar110-HP-ProBook-6470b:~/Desktop$ python3 demo.py
Welcome to the world of python
The appended data is this
zulfiqar110@zulfiqar110-HP-ProBook-6470b:~/Desktop$
```

2) Python program to count number of lines, words and characters in a file.

```
f1 = open("Demo.txt", "r+")
f1.seek(0)
print(f1.read())
f1 = open("Demo.txt", "r+")
count_line = 0
count_word = 0
count_character = 0

for lines in f1:
    count_line += 1
    count_word += len(lines.split())
    for character in lines:
        count_character += 1

print(f"Total lines = {count_line}")
print(f"Total words = {count_word}")
print(f"Total characters = {count_character}")
```

**Output ::**

```
zulfiqar110@zulfiqar110-HP-ProBook-6470b:~/Desktop$ python3 demo.py
Welcome to the world of python
The appended data is this
File created by Zulfiqar Ali Mirza

Total lines = 3
Total words = 17
Total characters = 92
zulfiqar110@zulfiqar110-HP-ProBook-6470b:~/Desktop$
```

3) Python program to display file available in current directory.

```
import os
scan = os.listdir("Demo")
for files in scan:
    print(files)
```

**Output ::**

```
zulfiqar110@zulfiqar110-HP-ProBook-6470b:~/Desktop$ python3 demo.py
demo.java
demo.c
demo.odt
demo.py
```

4) write a python program to append a guest list (from user) to the existing file guest list.txt read and print all the contents of the file

```
f1 = open("guest_list.txt", "w+")
f1.write("""
Guest list ::
Hussain
Aman
Neha
Shruti
""")
f1.seek(0)
print(f1.read())
new_guest = input("Enter the guests you want to append : ")

f2 = open("guest_list.txt", "a+")
f2.write(new_guest)
f2.seek(0)
print(f2.read())
```

Output ::

```
zulfiqar110@zulfiqar110-HP-ProBook-6470b:~/Desktop$ python3 demo.py
Guest list ::
Hussain
Aman
Neha
Shruti

Enter the guests you want to append : Vandan

Guest list ::
Hussain
Aman
Neha
Shruti
Vandan
zulfiqar110@zulfiqar110-HP-ProBook-6470b:~/Desktop$
```

5) WAP to read content of a file salary.txt and display the sum of salaries of all employee in a file

```
f1 = open("salary.txt", "r+")
f1.write("""25000
25000
15000
14000
""")
sum_salary = 0
print("Salaries are :: ")
for lines in f1.readlines():
    print(lines)
    sum_salary += int(lines)
print(f"Sum of the Salaries are {sum_salary}")
```

Output ::

```
zulfiqar110@zulfiqar110-HP-ProBook-6470b:~/Desktop$ python3 demo.py
Salaries are ::
25000

25000

15000

14000

Sum of the Salaries are 79000
zulfiqar110@zulfiqar110-HP-ProBook-6470b:~/Desktop$
```