GANPAT UNIVERSITY
U. V. PATEL COLLEGE OF ENGINEERING
B.Tech CE/IT Semester IV
2CEIT404: Python Programming

Practical-7: File Operations

1. Write a Python program to read content from a file and display the word with maximum length.
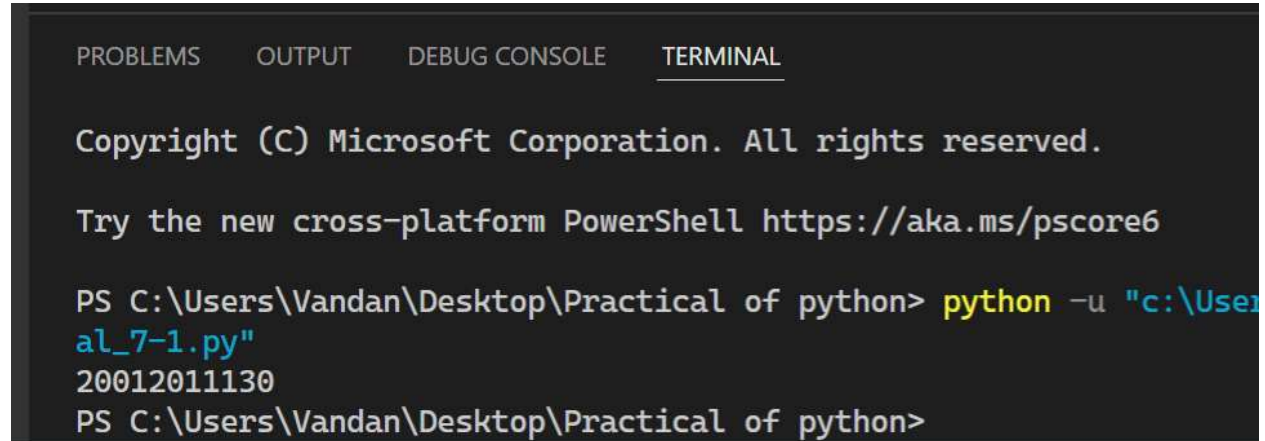
Code:

```python
f1 = open("h1.txt","r")

x = f1.read()
l1 = x.split()

l = len(max(l1,key=len))
for i in l1:
    if(len(i)==l):
        print(i)
```

Output:

```
PROBLEMS    OUTPUT    DEBUG CONSOLE    TERMINAL

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Try the new cross-platform PowerShell https://aka.ms/pscore6

PS C:\Users\Vandan\Desktop\Practical of python> python -u "c:\User
al_7-1.py"
20012011130
PS C:\Users\Vandan\Desktop\Practical of python>
```

2. Write a Python program to combine each line from first file with the corresponding line in second file.

Code:

```python
with open("h1.txt","r") as f1:
    with open("demo.txt","r") as f2:
```

```
        x=f1.readlines()
        y=f2.readlines()
        m=min(len(x),len(y))
for i in range(m):
 z=x[i].strip()+" "+y[i].strip()
 print(z)



f1 = open ("h1.txt","r")
f2 = open ("demo.txt","r")
for i,j in zip(f1,f2):
    print(i+j)
f1.close
f2.close
```

Output:

```
PS C:\Users\Vandan\Desktop\Practical of python> python -u "c:\Users\Vand
al_7-2.py"
20012011130 Hello World
Patel Vandan my name is Vandan Patel
20012011130
Hello World

Patel Vandanmy name is Vandan Patel

PS C:\Users\Vandan\Desktop\Practical of python>
```

3. Write a Python program to read first n lines of a file.

Code:

```
with open ("demo.txt","r") as v1:

   x1 = v1.read()
   print(x1)
```

Output:

```
PROBLEMS    OUTPUT    DEBUG CONSOLE    TERMINAL

PS C:\Users\Vandan\Desktop\Practical of python> python -
ctical of python\practical_7-3.py"
Hello World
my name is Vandan Patel
(Ganpat University)
Good morning
thank you
```

4. Write a Python program to write students information into csv file and read that details.

Code:

```python
import csv


with open('pr7_3.csv', 'w', newline='') as file:
    writer = csv.writer(file)
    writer.writerow(["SN", "Name", "Branch"])
    writer.writerow([1, "Vandan Patel", "CE"])
    writer.writerow([2, "Jaydip", "CE-IT"])
    writer.writerow([3,"Nill Patel","CE"])
    writer.writerow([4,"Keval Vasoyia","CE-IT"])
    writer.writerow([5,"Vansh Patel","diploma"])

with open('Players.csv','w',newline= '') as file1:
    fieldnames = ['Players_name','Players_rating']
    writer = csv.DictWriter(file1, fieldnames=fieldnames)

    writer.writeheader()
    writer.writerow({'Players_name': 'Dhoni','Players_rating': 10})
    writer.writerow({'Players_name': 'Virat Kholi','Players_rating': 8})
    writer.writerow({'Players_name': 'Rohit Sharma','Players_rating': 9})
    writer.writerow({'Player_name': 'Hardik Pandya','Players_rating': 7})
```

Output:

Players.csv
```
1    Players_name,Players_rating
2    Dhoni,10
3    Virat Kholi,8
4    Rohit Sharma,9
5
```

pr7_3.csv
```
1    SN,Name,Branch
2    1,Vandan Patel,CE
3    2,Jaydip,CE-IT
4    3,Nill Patel,CE
5    4,Keval Vasoyia,CE-IT
6    5,Vansh Patel,diploma
7
```