

Practical-7: File Operations

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

Code:

```
with open("Amit.txt","r") as f:
    x=f.read()
    ll=x.split()
    l=len(max(ll,key=len))
    for i in ll:
        if(len(i)==l):
            print(i)
```

Ouput:

```
21012021003_AMIT GOSWAMI
Hello
```

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

Code:

```
print("21012021003_AMIT GOSWAMI \n")
with open("f1.txt","r") as f1:
    with open("f2.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)
```

Output:

```
21012021003_AMIT GOSWAMI
```

```
Hello World I am Amit
```

```
I am fine Dude
```

```
You can learn and you can do
```

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

Code:

```

print("Enter the number of line you want to read:")
n = int(input())
with open("f1.txt","r") as f1:

    for i in range(n):
        x = f1.readline()
        print(x)
f1.close()

```

Output:

```

21012021003_AMIT GOSWAMI
Enter the number of line you want to read:
2
Hello World

I am fine

```

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

Code:

```

print("21012021003_AMIT GOSWAMI \n")
import csv
fields = ['Name','Branch','class','Sem']
rows = [['Amit','IT','CEIT-B','4'], ['Brijesh','IT','CEIT-B','4'],
['Sajid','IT','CEIT-B','4'], ['Vishal','IT','B','4']]
filename="Students_information.csv"
with open(filename,'w') as csvfile:
    csvwriter = csv.writer(csvfile)
    csvwriter.writerow(fields)
    csvwriter.writerows(rows)
with open('Students_information.csv','r') as file:
    csvFile = csv.reader(file)
    for lines in csvFile:
        print(lines)

```

Output:

```

21012021003_AMIT GOSWAMI

['Name', 'Branch', 'class', 'Sem']
[]
['Amit', 'IT', 'CEIT-B', '4']
[]
['Brijesh', 'IT', 'CEIT-B', '4']
[]
['Sajid', 'IT', 'CEIT-B', '4']
[]
['Vishal', 'IT', 'B', '4']
[]

```