COURSE OUTCOME 5

DATE :16 -10-2023

1. **Write a Python program to read a file line by line and store it into a list.**

PROGRAM

```
file1=open("file.txt")
l=[i.split() for i in open("file1.txt")] print(l)
```

OUTPUT

```
[['Muthoot', 'Institute', 'of', 'Technology', 'and', 'Science'], ['A', 'premier',
'engineering', 'college', 'in', 'the', 'state,', 'located', 'at', 'Kochi.'],
['Address:', 'Kochi-Madurai-Tondi', 'Point', 'Rd,', 'Puthenkurish,', 'Varikoli,', 'Kochi,',
'Kerala', '682308'], ['Phone:', '0484', '273', '2111'],
['Website:', 'mgmits.ac.in']]
```

DATE : 16-10-2023

2. **Write a Python program to copy odd and even lines from one file to another.**

PROGRAM

```
import pandas
with open('file.txt','r') as f, open('o_file.txt','w') as o, open('e_file.txt','w') as e:
        for i, j in enumerate(f, 1): if
                i%2==0:
                        e.write(j)
                else:
                        o.write(j)

f_data=pandas.read_csv('file.txt') print("Original file
data\n",f_data) o_data=pandas.read_csv('o_file.txt')
print("Odd file data\n",o_data)
e_data=pandas.read_csv('e_file.txt') print("Even file
data\n",e_data)
```

OUTPUT

```
Original file data

Muthoot Institute of Technology and Science
A premier engineering college in the state, located at Kochi. Address: Kochi-
Madurai-Tondi Point Rd, Puthenkurish, Varikoli, Kochi, Kerala 682308
```

Phone: 0484 273 2111
Website: mgmits.ac.in

Odd file data

Muthoot Institute of Technology and Science
Address: Kochi-Madurai-Tondi Point Rd, Puthenkurish, Varikoli, Kochi, Kerala 682308
Website: mgmits.ac.in Even

file data

A premier engineering college in the state, located at Kochi. Phone: 0484 273 2111

DATE : 21-10-2223

3. **Write a Python program to read each row from a given csv file and print a list of strings.**

PROGRAM

```
import csv
with open("Data.csv",'r') as f: data=csv.reader(f)
        for i in data:
            print(i)
```

OUTPUT

```
['Roll No Name Age']
 ['1', 'Githu', '22']
['2', 'Reja', '21']
['3', 'Christo', '22']
['4', 'Abhimanue', '24']
['5', 'Akshay', '21']
```

DATE : 21-10-2023

4. **Write a Python program to read specific columns of a given CSV file and print the content of the columns.**

PROGRAM

```
import csv
n=int(input("Enter the line number : ")) with
open("Data.csv",'r') as f:
        data=list(csv.reader(f)) print(data[n])
```

OUTPUT

```
Enter the line number : 2
['2', 'Reja', '21']
```

DATE : 21-10-2023

5. **Write a Python program to write a Python dictionary to a csv file. After writing the CSV file read the CSV file and display the content.**

PROGRAM

```
import csv import
pandas

field_names=['Roll_No', 'Name', 'Age'] stud_dict=[{'Roll_No':'1', 'Name':
‘Githu','Age': 22},
{'Roll_No':'2', 'Name': 'Reja','Age': 21},
{'Roll_No':'3', 'Name': 'Christo','Age': 22},
{'Roll_No':'4', 'Name': ' Abhimanue ','Age': 24},
{'Roll_No':'5', 'Name': 'Akshay','Age': 21}
]

with open('Names.csv','w') as f: writer=csv.DictWriter(f,fieldnames=field_names)
        writer.writeheader()
        writer.writerows(stud_dict)

data=pandas.read_csv('Names.csv') print(data)
```

OUTPUT

	Roll No	Name	Age
0	1	Githu	22
1	2	Reja	21
2	3	Christo	22
3	4	Abhimanue	24
4	5	Akshay	21