

## **COURSE OUTCOME 5**

**DATE:7-11-2024**

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

### **PROGRAM**

```
f=open("file.txt","r")
l=[i.split() for i in open("file.txt")]
print(l)
f.close()
```

### **file.txt**

Hello! Welcome to demofile.txt

This file is for testing purposes.

Good Luck!

### **OUTPUT**

```
[['Hello!', 'Welcome', 'to', 'demofile.txt'], ['This', 'file', 'is', 'for', 'testing', 'purpo  
ses.'], ['Good', 'Luck!']]
```

**DATE:8-11-2024**

2. Python program to copy odd lines of one file to other

### **PROGRAM**

```
with open("file.txt", "r") as x:
    with open("file4.txt", "w") as y:
        line_number = 1
        for line in x:
            if line_number % 2 != 0:
                y.write(line)
            line_number += 1
x.close()
y.close()
s=open("file4.", "r")
print(s.read())
```

### **file.txt**

Hello! Welcome to demofile.txt

This file is for testing purposes.

Good Luck!

### **OUTPUT**

Hello! Welcome to demofile.txt

Good Luck!

**DATE:22-10-2024**

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("student.csv","r") as f:
    csvr=csv.reader(f)
    for row in csvr:
        print(row)
```

#### **student.csv**

```
roll,name,age,course
101,christina,21,mca
102,sandriya,22,mca
103,avlin,22,mca
104,anna,21,mca
```

### **OUTPUT**

```
['roll', 'name', 'age', 'course']
['101', 'christina', '21', 'mca']
['102', 'sandriya', '22', 'mca']
['103', 'avlin', '22', 'mca']
['104', 'anna', '21', 'mca']
```

**DATE:15-11-2024**

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

### **PROGRAM**

```
import csv

data = {
    'Name': ['Christina', 'Anna', 'Sandriya'],
    'Age': [25, 30, 22],
    'depart': ['Mca', 'Bca', 'Mba']
}

with open('output.csv', 'w') as file:
    writer = csv.DictWriter(file, fieldnames=data.keys())
    writer.writeheader()
    writer.writerow(data)

print("Dictionary written to CSV file 'output.csv'.")

with open('output.csv', 'r') as file:
    reader = csv.DictReader(file)
    for row in reader:
        print(row)
```

### **OUTPUT**

Dictionary written to CSV file 'output.csv'.  
{'Name': "['Christina', 'Anna', 'Sandriya']", 'Age': '[25, 30, 22]', 'depart':  
"['Mca', 'Bca', 'Mba']"}

**DATE:16-11-2024**

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
columns_to_read = ['Name', 'City']

with open("dictionary.csv", "r") as file:
    csv_reader = csv.DictReader(file)
    for row in csv_reader:
        selected_data = {column: row[column] for column in
columns_to_read}
        print(selected_data)
```

### **dictionary.csv**

```
Name,Age,City,Occupation
Tiara,30,New York,Engineer
Hazel,25,Los Angeles,Designer
Christi,35,Chicago,Teacher
```

### **OUTPUT**

```
{'Name': 'Tiara', 'City': 'New York'}
{'Name': 'Hazel', 'City': 'Los Angeles'}
{'Name': 'Christi', 'City': 'Chicago'}
```