

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',  
'purposes.'], ['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.txt","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, Rasim,21,mca  
102,Farook,21,,mca  
103,Aswin,24,mca  
104,nirmal ,21,mca  
105,arun,21,mca  
106,midhun,21,mca  
107,amal,21,mca
```

OUTPUT

```
['roll', 'name', 'age', 'course']  
['101', 'rasim', '21', 'mca']  
['102', 'Farook', '21', '', 'mca']  
['103', 'Aswin', '24', 'mca']  
['104', 'nirmal', '21', 'mca']
```

['105', 'arun', '21', 'mca']

['106', 'midhun', '21', 'mca']

['107', 'amal', '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': ['Farook', 'Aswin', 'Vishnu'],  
    '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': "['Farook', 'Aswin', 'Vishnu']", '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
rasim,30,New York,Engineer
nirmal,25,london,Designer
naji,35,america,Teacher
```

OUTPUT

```
{'Name': 'rasim', 'City': 'New York'}
{'Name': 'nirmal', 'City': 'london'}
{'Name': 'naji', 'City': 'america'}
```

