

COURSE OUTCOME 5

DATE:14-11-2024

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

PROGRAM

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

mits.txt

Welcome to Python Programming Lab

OUTPUT

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

PROGRAM

```
file1=open("mits.txt","r")
file2=open("mits2.txt","w")
for i in file1:
    if i%2!=0:
        print(file2.write(i))
    else:
        print(file2.write(i))
file1.close()
file2.close()
```

OUTPUT

mits.txt

MUTHOOT INSTITUTE OF TECHNOLOGY AND SCIENCE
VARIKOLI
ERNAKULAM
2342

mits2.txt

MUTHOOT INSTITUTE OF TECHNOLOGY AND SCIENCE
ERNAKULAM

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

PROGRAM

```
import csv
c=int(input("enter column index"))
with open("student.csv",mode="r") as file:
    csvr = csv.reader(file)
    for row in csvr:
        print(row)
```

OUTPUT

```
Roll_no,Name, Age, Course
10,Ann, 21, MCA
11,Alex, 24, BCOM
12,Geethu, 22, BCA
```

```
['Roll_no','Name', ' Age', ' Course']
['10','Ann',' 21', 'MCA']
['11','Alex', '24', 'BCOM']
['12','Geethu',' 22', 'BCA']
```

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

PROGRAM

```
import csv with open("student.csv", mode="r") as file:  
print("The details in column 2 is:")  
csvr=csv.reader(file)  
for row in csvr:  
    print(row[2])
```

OUTPUT

```
Roll_no,Name, Age, Course  
10,Ann, 22, MCA  
11,Alex, 21, BCOM  
12,Geethu, 22, BCA
```

The details in column 2 is:

```
Age  
22  
21  
22
```

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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 with open("student.csv",mode="r") as file:  
csvr = csv.DictReader(file)  
for line in csvr:  
    print(line)
```

OUTPUT

Roll_no,Name,Age

1,Ann, 22

2,Alex, 21

3,Geethu, 22

{'Roll_no': '1', 'Name': 'Ann', 'Age': '21'}

{'Roll_no': '2', 'Name': 'Alex', 'Age': '22'}

{'Roll_no': '3', 'Name': 'Geethu', 'Age': '21'}