**CO5 PROGRAMS**

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

f1=open("firstfile.txt","w")

f1.write("This is my first file in python.\nWant to work with files.\n This is my third")

f1.close()

f1=open("firstfile.txt","r")

f1.seek(0,0)

ff=f1.readlines()

for x in range(0,len(ff)):

print(ff[x])

print()

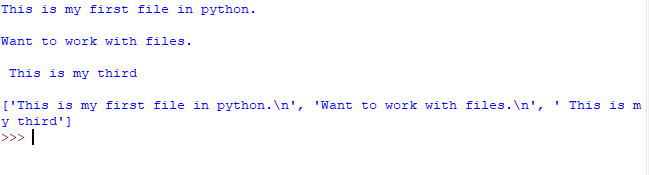
#f1.seek(0,0)

#ff=f1.readlines() #return list of all lines

print(ff)

f1.close()

**Output:**



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

f1=open("firstfile.txt","r")

for x in f1:

print(x)

f1.seek(0,0)

print()

f2=open("odd.txt","w")

ff=f1.readlines()

with open('odd.txt','w') as f2:

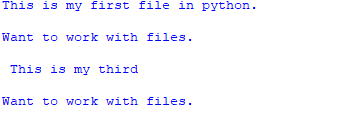
for x in range(0,len(ff)):

if(x%2!=0):

print(ff[x])

f2.write(ff[x])

**Output:**



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

import csv

filename= "username.csv"

fields =[]

rows=[]

cf=open(filename,'r')

csvreader=csv.reader(cf)

fields=next(cf)

print(fields)

for r in csvreader:

rows.append(r)

print(rows)

print("..........")

print("\nfirst 3 rows are:\n\n")

for r in rows[:3]:

print(\*r)

print("\n\nthe file content\n\n")

for sl in rows:

for l in sl:

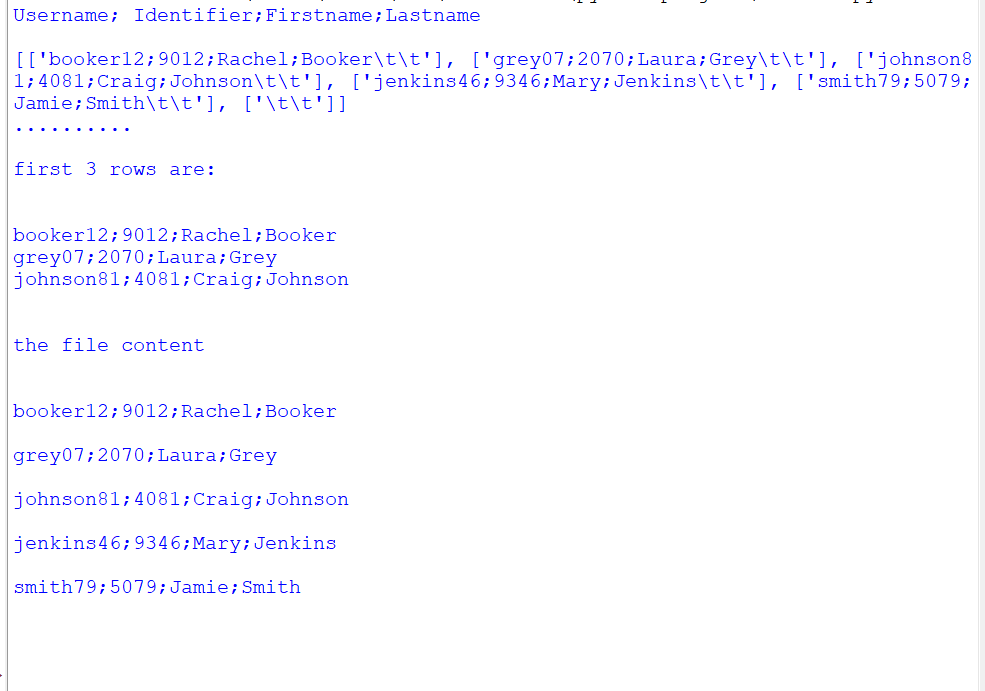
#print(l)

print(l," ")

print()

cf.close()

**Output**

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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**.

import csv

filename = "Names2.csv"

cf=open(filename, 'r')

#csvreader = csv.reader(cf)

data = csv.DictReader(cf)

print("No Company")

for r in data:

print(r['No'],r['Company'])

**Output**

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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.**

import csv

field\_names = ['No', 'Company', 'Car Model']

cars = [

{'No': 1, 'Company': 'Ferrari', 'Car Model': '488 GTB'},

{'No': 2, 'Company': 'Porsche', 'Car Model': '918 Spyder'},

{'No': 3, 'Company': 'Bugatti', 'Car Model': 'La Voiture Noire'},

{'No': 4, 'Company': 'Rolls Royce', 'Car Model': 'Phantom'},

{'No': 5, 'Company': 'BMW', 'Car Model': 'BMW X7'},

]

with open('Names1.csv', 'w') as csvfile:

writer = csv.DictWriter(csvfile, fieldnames = field\_names)

writer.writeheader()

writer.writerows(cars)

#print(".................")

filename = "names1.csv"

cf=open(filename, 'r')

rows=[]

csvreader = csv.reader(cf)

for r in csvreader:

rows.append(r)

for r in rows[:3]:

print(\*r)

**Output**

