**PYTHON**

**CO-5 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.\nThis is my third line.")

f1.close()

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

f1.seek(0,0)

ff=f1.readlines()

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

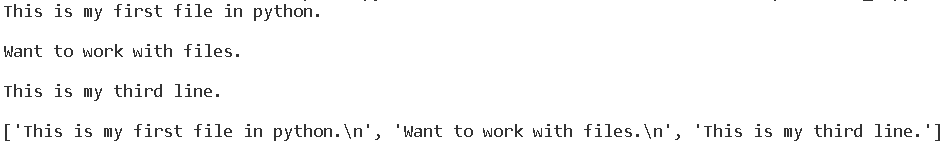
print(ff[x])

print()

print(ff)

f1.close()

**OUTPUT**



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

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

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

for x in f1:

    print(x)

print("---------------")

f1.seek(0,0)

ff=f1.readlines()

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

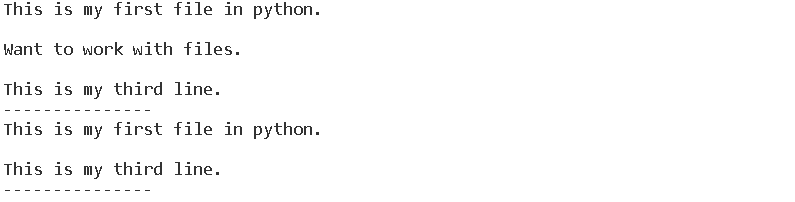
    if(x%2==0):

        f2.write(ff[x])

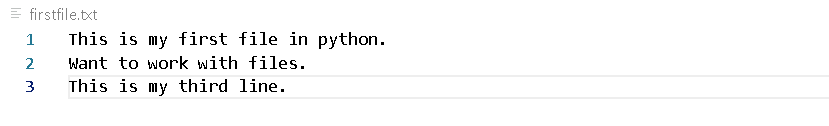
        print(ff[x])

print("---------------")

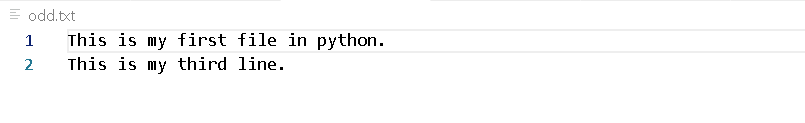
**OUTPUT**



firstfile.txt



odd.txt



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

import csv

filename = "username.csv"

rows = []

cf=open(filename, 'r')

csvreader = csv.reader(cf)

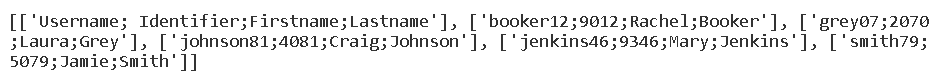
for r in csvreader:

    rows.append(r)

print(rows)

cf.close()

**OUTPUT**



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

import csv

filename = "Names1.csv"

cf=open(filename, 'r')

 #csvreader = csv.reader(cf)

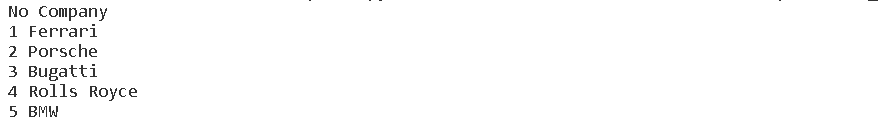
data = csv.DictReader(cf)

print("No Company")

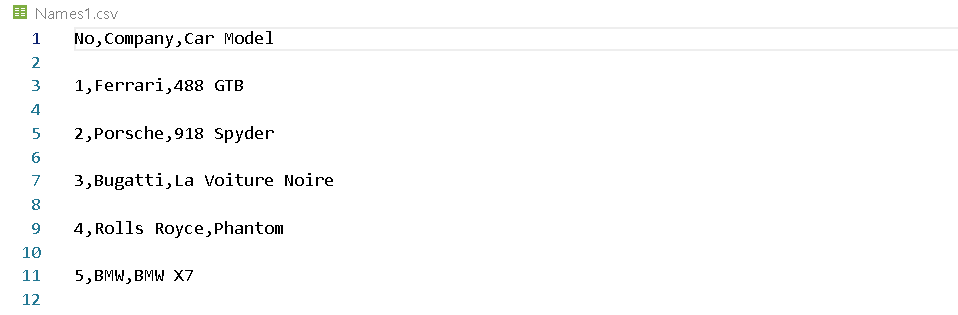
for r in data:

    print(r['No'], r['Company'])

**OUTPUT**



Names1.csv



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)

filename = "Names1.csv"

cf=open("Names1.csv", 'r')

rows=[]

csvreader = csv.reader(cf)

for r in csvreader:

  rows.append(r)

for r in rows:

      print(\*r)

**OUTPUT**

