**PYTHON**

**CO-5 PROGRAMS**

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

l = list()

f = open("demo.txt", "w")

n = int(input("\nEnter the number of lines:"))

*for* i *in* range(n):

    f.write(input("Enter some text:")+"\n")

f.close()

f = open("demo.txt", "r")

*for* i *in* f:

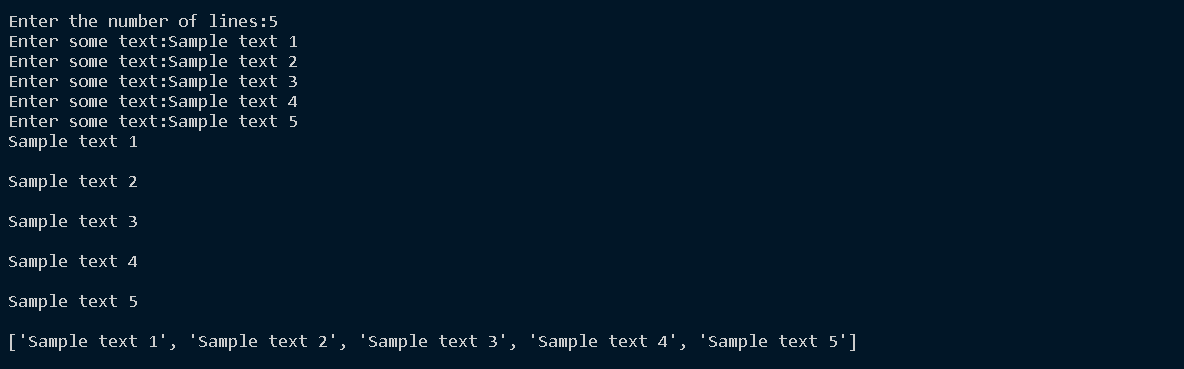
    print(i)

    l.append(i[:-1])

f.close()

print(l)

**OUTPUT**



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

f1 = open("demo1.txt", "w")

f2 = open("demo2.txt", "w")

n = int(input("Enter the number of lines:"))

*for* i *in* range(n):

    f1.write(input("Enter some text:")+"\n")

# *f1.write("Hello\n")*

# *f1.write("Sreerag\n")*

# *f1.write("Payyanur\n")*

# *f1.write("Kannur\n")*

f1.close()

f1 = open("demo1.txt", "r")

count = 1

*for* i *in* f1:

*if* count % 2 == 0:

        count += 1

*continue*

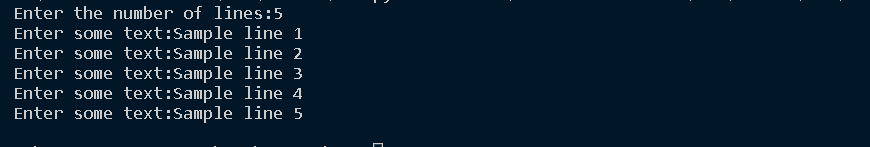
    f2.write(i)

    count += 1

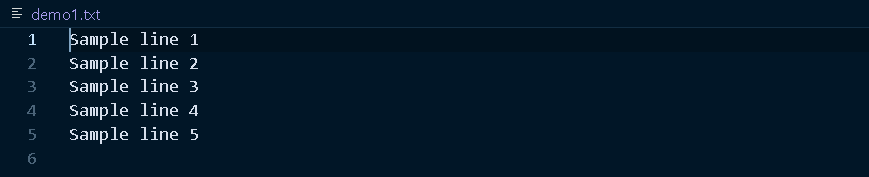
f1.close()

f2.close()

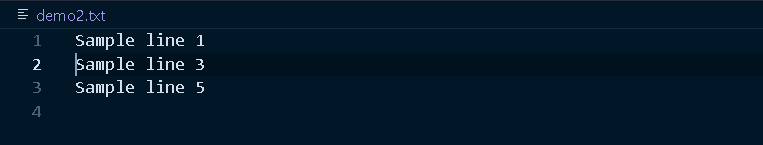
**OUTPUT**



demo1.txt



Demo2.txt



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

*import* csv

lst = []

*with* open("city.csv", "w") *as* file:

    write = csv.writer(file)

    write.writerow(["id", "place", "district"])

    limit = int(input("\nEnter the lines of data you want to enter : "))

*for* i *in* range(limit):

        row\_string = input("Enter data (id,place,district) separated by comma : ")

        row\_list = row\_string.split(",")

        write.writerow(row\_list)

*with* open("city.csv", "r") *as* file:

    read = csv.reader(file)

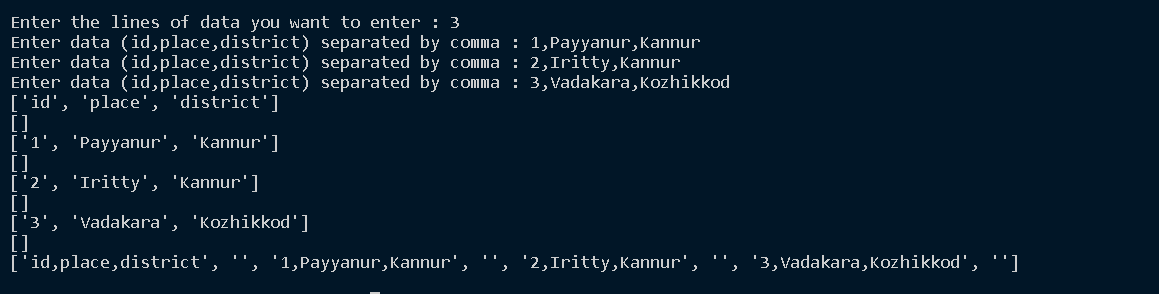
*for* row *in* read:

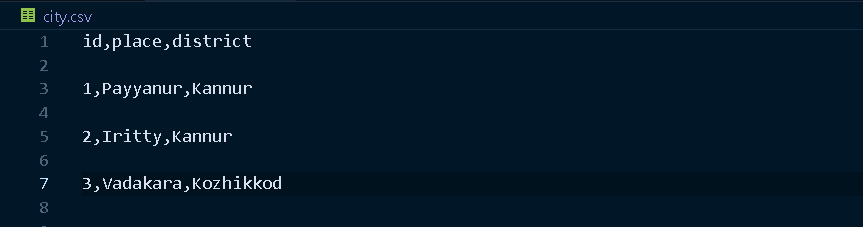
        print(row)

        lst.append(",".join(row))

print(lst)

**OUTPUT**





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

*import* csv

header = ["place", "name", "age"]

*with* open("test.csv", "w") *as* file:

    write = csv.DictWriter(file, fieldnames=header)

    write.writeheader()

    write.writerow({"place": "Winterfell", "name": "Sansa", "age": 21})

    write.writerow({"place": "Bravos", "name": "Arya", "age": 21})

    write.writerow({"place": "Beyond wall", "name": "Robert", "age": 43})

    write.writerow({"place": "Sydney", "name": "Alderson", "age": 33})

*with* open("test.csv", "r") *as* file:

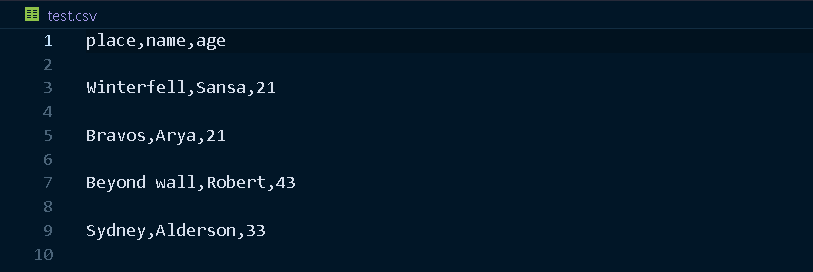
    read = csv.DictReader(file);

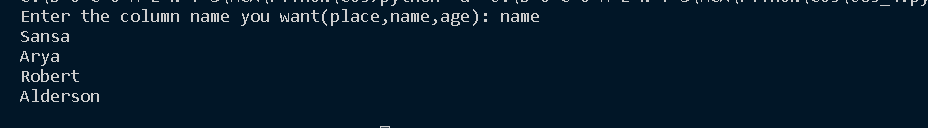
    n = input("Enter the column name you want(place,name,age): ")

*for* i *in* read:

        print(i[n])

**OUTPUT**





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

header=["place","name","age"]

*with* open("test1.csv","w") *as* file:

    write=csv.DictWriter(file,fieldnames=header)

    write.writeheader()

    limit = int(input("Enter the No.of lines you want to enter:"))

*for* i *in* range(limit):

        row\_str = input("Enter the data in order (place,name,age) separated by comma:")

        row\_lst = row\_str.split(",")

        write.writerow({"place":row\_lst[0],"name":row\_lst[1],"age":row\_lst[1]})

*with* open("test1.csv", 'r') *as* file:

    read=csv.DictReader(file);

*for* i *in* read:

        print(dict(i))

**OUTPUT**

