Database handling Using Python
Unit:-4

Read, Write, Append

read()

```
import csv
data=open('stud.csv','r')
print(data.read())
```

writer()

```
import csv
data=open('stud.csv','w')
value=csv.writer(data)
value.writerow([201,'dipak','vapi'])
value.writerow([202,'fenil','mumbai'])
```

append()

```
import csv
data=open('stud.csv','a')
value=csv.writer(data)
value.writerow([201,'dipak','vapi'])
value.writerow([202,'fenil','mumbai'])
```

or

```
import csv
data=open('stud.csv','a')
row=[[203,'rinu','surat'],[204,'raj','mumbai'],[205,'gopal','vapi']]
value=csv.writer(data)
value.writerows(row)
```

Reader()

```
import csv
data=open('stud.csv','r')
value=csv.reader(data)
for i in value:
        print(i)
```

DictReader

```
import csv
data=open('stud.csv','r')
value=csv.DictReader(data)
for i in value:
        print(i)
```

pandas()

```
import pandas as pd
data=pd.read_csv('stud.csv')
print(data)
#shape() method
print(data.shape)
```

```
#head() method
print(data.head(2))

#tail() method
print(data.tail(2))

#range()  method
print(data[3:5])

#columns
print(data.columns)

#retrive data
print(data.name)

#loc() method
print(data.loc[3])

#iloc() method
print(data.iloc[1])

#desctibe() method
print(data.describe())

#to_numpy()method
import pandas as pd
data=pd.read_csv('stud.csv')
value=data.to_numpy()
print(value)
```