CSV FILE

used to store tabular data in normal text.

WRITE THE DATA IN CSV FILE

1.csv.writer: used to insert data into csv file.

provides 2 funs:

i)writerow() :used to write simple row

syntax:csvwriterobj.writerow(field data/data row)

ii)writerows(): used to write row list.

syntax: csvwriterobj.writerows(data row)

2.csv.DictWriter :used to insert dict value.

provide tow funs:

i)writeheader(): write first row.

syntax: Dictwriterob.writeheader()

ii)writerows(): used to write row list.

syntax:Dictwriteobj.writerows(data row)

READING THE DATA FROM CSV FILE

1.csv.reader():

syntax: csvreadaerobj=csv.reader(filepointer)

2.csv.DictReader():

syntax: csvDictReaderobj=csv.DictReader(filepointer,filename 'headername')

In [ ]:
```python
#csvwriteex1.py

import csv
#step 1--take header name
hn=['empno','enpname','empsal']
#step 2--take records
records=[ [100,'sirish',29],
          [200,'jaya',34],
          [300,'manish',54],
          [400,'zehra',54],
          [500,'tanna',65] ]
#step 3--choose the file name and open in write mode for writing header name and records
with open('employee.csv','a') as fp:
    #step 4-
    csvwr=csv.writer(fp)
    #step 5
    csvwr.writerow(hn)
    #step 6
    csvwr.writerow(records)
    print("data added to csv file")
```

In [ ]:
```python
#csvwriteex2.py

import csv
record=[600,'yash',65]
```

```
with open('employee.csv','a') as fp:
    csvwr=csv.writer(fp)
    csvwr.writerow(record)
    print('data inserted sucessfully..')
```

In [ ]:
```
#csvwriteex3.py

import csv
outlist=list()
eno=int(input('enter employee number'))
name=input('enter employee name')
sal=float(input('enterr employee sal'))
record=list()
record.append(eno)
record.append(name)
record.append(sal)
outlist.append(record)
with open('employee.csv','a') as fp:
    csvwr=csv.writer(fp)
    csvwr.writerow(record)
    print('data added sucessfullly')
```

In [ ]:
```
#dictwrite1.py

import csv
col=['sno','name','marks','sub']
record=[{'sno':1,'name':'arshi','marks':40,'sub':'maths'},
        {'sno':2,'name':'bush','marks':50,'sub':'maths'},
        {'sno':3,'name':'channi','marks':60,'sub':'maths'},
        {'sno':4,'name':'dhoni','marks':70,'sub':'maths'},
        {'sno':5,'name':'errim','marks':80,'sub':'maths'},]
with open('student.csv','a')as fp:
    dict=csv.DictWriter(fp,fieldnames=col)
    dict.writeheader()
    dict.writerows(record)
    print('data added sucessfully in dict record')
```

In [ ]:
```
#dictread.py
import csv
with open('employee.csv','a') as fp:
    dr=csv.DictReader(fp)
    print('type of dr',type(dr))
    for record in dr:
        for k,v record.items():
            print(k,v)
```

In [ ]:
```
#employeeread.py

with open('employee.csv') as fp:
    csvdata=fp.read()
    print(csvdata)
```

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