Files and Directories


```
from pathlib import Path

# Absolute Path
# C:\Users\Hiren Patel\PycharmProjects\HelloWorld
# Relative Path

# Check whether the directory exists or nor
path = Path("banking")
print(path.exists())

# Creating a new directory in existing path
path = Path("Emails")
print(path.mkdir())
```

```
from pathlib import Path

# Removing existing director
path = Path("Emails")
print(path.rmdir())
```

```
from pathlib import Path

path = Path()
print(path.glob('*.py'))

for file in path.glob('*.py'):
    print(file)
```

```
<generator object Path.glob at 0x0000021428169930>
2DList.py
app.py
bulb.py
classes.py
converters.py
Dictionary.py
exception.py
for.py
function.py
inheritance.py
List.py
ListOperation.py
main.py
module.py
NestedFor.py
packageBank.py
Tuples.py
while.py
```

Reading CSV Files

student.csv

```
11,"Hiren",9.8
22,"Pradip",7.7
33,"Sanjay",8.2
44,"Vijay",8.0
55,"Parimal",7.9
```

readCSV.py

```
import csv
with open("student.csv") as dataFile:
    data = csv.reader(dataFile)
    for row in data:
        print(row)
```

readCSV

```
"C:\Users\Hiren Patel\PycharmProjects\edureka\venv\Scripts\python.exe" "C:/Users/Hiren Patel/PycharmProjects/edureka/venv/readCSV.py"
['11', 'Hiren', '9.8']
['22', 'Pradip', '7.7']
['33', 'Sanjay', '8.2']
['44', 'Vijay', '8.0']
['55', 'Parimal', '7.9']

Process finished with exit code 0
```

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Reading CSV Files

student.csv | readCSV.py

```python
import csv
grade = []
counter = 0
with open("student.csv") as dataFile:
    data = csv.reader(dataFile)
    for row in data:
        cpi = float(row[2])
        if(cpi>9):
            grade.append("Excellent")
        elif(cpi>8):
            grade.append("Very Good")
        elif(cpi>7):
            grade.append("Good")
        elif(cpi>6):
            grade.append("Average")
        else:
            grade.append("Poor")
        print(f"{row[1]} has '{grade[counter]}' grade")
        counter += 1
```

```
"C:\Users\Hiren Patel\PycharmProjects\edur
Hiren has 'Excellent' grade
Pradip has 'Good' grade
Sanjay has 'Very Good' grade
Vijay has 'Good' grade
Parimal has 'Good' grade
```