In [1]:
```
import pandas as pd
```

In [ ]:
```
#this was just me checking to see what i had access to, feel free to ignore
import os

filepath = "S:/BigPrecip/Precip/FORTS/SRCC_FORTS_DATA/La_Fort_Jessup.data"

if os.access(filepath, os.R_OK):
    print("Read access granted.")
else:
    print("Read access denied.")
```

In [ ]:
```
#this is for a more permanent file path
filepath = "S:/BigPrecip/Precip/FORTS/SRCC_FORTS_DATA/La_Fort_Jessup.data" #FILE LOCATION
df = pd.read_csv(filepath)
```

In [2]:
```
filepath = "OK_Fort_Sill.data.csv" #FILE LOCATION
df = pd.read_csv(filepath)
```

In [3]:
```
columns_to_keep = ['STNO', 'LAT', 'LON', 'YEAR', 'MO', 'DAY', 'PRCP-99'] #LIST OF COLULM HEADE
df = df.loc[:, columns_to_keep] #GETS RID OF UNECESSARY COLUMNS
```

In [4]:
```
df.columns=['STATION_ID','LAT','LON','YEAR','MO','DAY','PRECIP']
```

In [5]:
```
df.insert(df.columns.get_loc('DAY') + 1, 'TIME', '')
df.insert(df.columns.get_loc('STATION_ID') + 1, 'NAME', '')
df.insert(df.columns.get_loc('LON') + 1, 'ELEV', '')
```

In [6]:
```
df["DATE"] = pd.to_datetime(df["YEAR"].astype(str) + "/" + df["MO"].astype(str) + "/" + df["DA
df = df.reindex(columns=['STATION_ID', 'NAME', 'DATE', 'TIME', 'LAT', 'LON', 'ELEV', 'PRECIP']
```

In [9]:
```
#saving the file
df.to_csv(r'C:\Pretty Precip Data\OK_Fort_Sill.csv')
```

In [8]:
```
df
```

Out[8]:

	STATION_ID	NAME	DATE	TIME	LAT	LON	ELEV	PRECIP
0	343300		1870-04-01		34.67083	98.38694		0.0
1	343300		1870-04-02		34.67083	98.38694		0.0
2	343300		1870-04-03		34.67083	98.38694		0.0
3	343300		1870-04-04		34.67083	98.38694		0.0
4	343300		1870-04-05		34.67083	98.38694		0.0
...	...	...	...	...	...	...	...	...
8306	343300		1892-12-27		34.67083	98.38694		NaN
8307	343300		1892-12-28		34.67083	98.38694		NaN
8308	343300		1892-12-29		34.67083	98.38694		NaN
8309	343300		1892-12-30		34.67083	98.38694		NaN
8310	343300		1892-12-31		34.67083	98.38694		NaN

8311 rows × 8 columns

In [ ]:
```

```