```
Microsoft Windows [Version 10.0.19045.3930]
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C:\Users\tiana\Desktop\big-data-class\bigdata\cstu_bigdata_handson>docker-compose up -d request returned Internal Server Error for API route and version http://%2F%2F.%2Fpipe%2Fdocker_engine/v1.24/containers/json?all=1&filters=%7B%22label%22%3A%7B%22com.docker.compose.config-hash%22%3Atrue%2C%22com.docker.compose.project%3Dcstu_bigdata_handson%22%3Atrue%7D%7D, check if the server supports the requested API version

C:\Users\tiana\Desktop\big-data-class\bigdata\cstu_bigdata_handson>

C:\Users\tiana\Desktop\big-data-class\bigdata\cstu_bigdata_handson>docker ls
docker: 'ls' is not a docker command.

See 'docker --help'

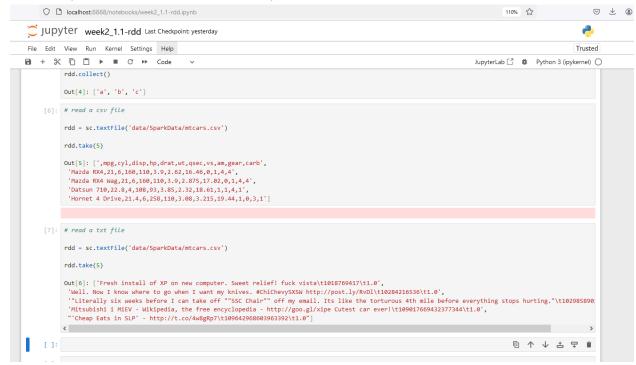
C:\Users\tiana\Desktop\big-data-class\bigdata\cstu_bigdata_handson>docker-compose up -d
[+] Building 0.0s (0/0)

G:\Users\tiana\Desktop\big-data-class\bigdata\cstu_bigdata_handson>docker-compose up -d
[+] Building 9.7/2

Container spark-master

C:\Users\tiana\Desktop\big-data-class\bigdata\cstu_bigdata_handson>
```

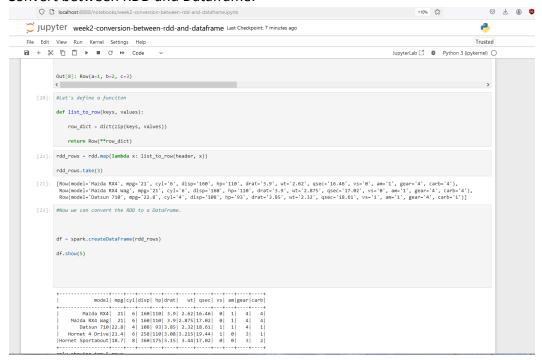
Create a Spark Core RDD from Different Ways:



Create a Spark SQL Dataframe from Different Ways:

```
110% ☆ ♡ ± @
O 🗅 localhost:8888/notebooks/week2-sql-dataframe.ipynb
  Jupyter week2-sql-dataframe Last Checkpoint: 18 minutes ago
  File Edit View Run Kernel Settings Help
                                                                                                                                         Trusted
 B + % □ □ ▶ ■ C → Code ∨
                                                                                                                JupyterLab ☐ # Python 3 (ipykernel) ○
          df.show()
           |my column1|my column2|
                  bİ
     [40]: df.dtypes
          Out[9]: [('my_column1', 'string'), ('my_column2', 'bigint')]
     [41]: my_list = [(['a', 1], ['b', 2])]
          df = spark.createDataFrame(my_list, ['x', 'y'])
           df.show()
           | x| y|
           |[a, 1]|[b, 2]|
     [42]: df.select("x").show()
           |[a, 1]|
```

Convert between RDD and Dataframe:



Map and other RDD methods methods

