Open Source Lab 7  
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F8

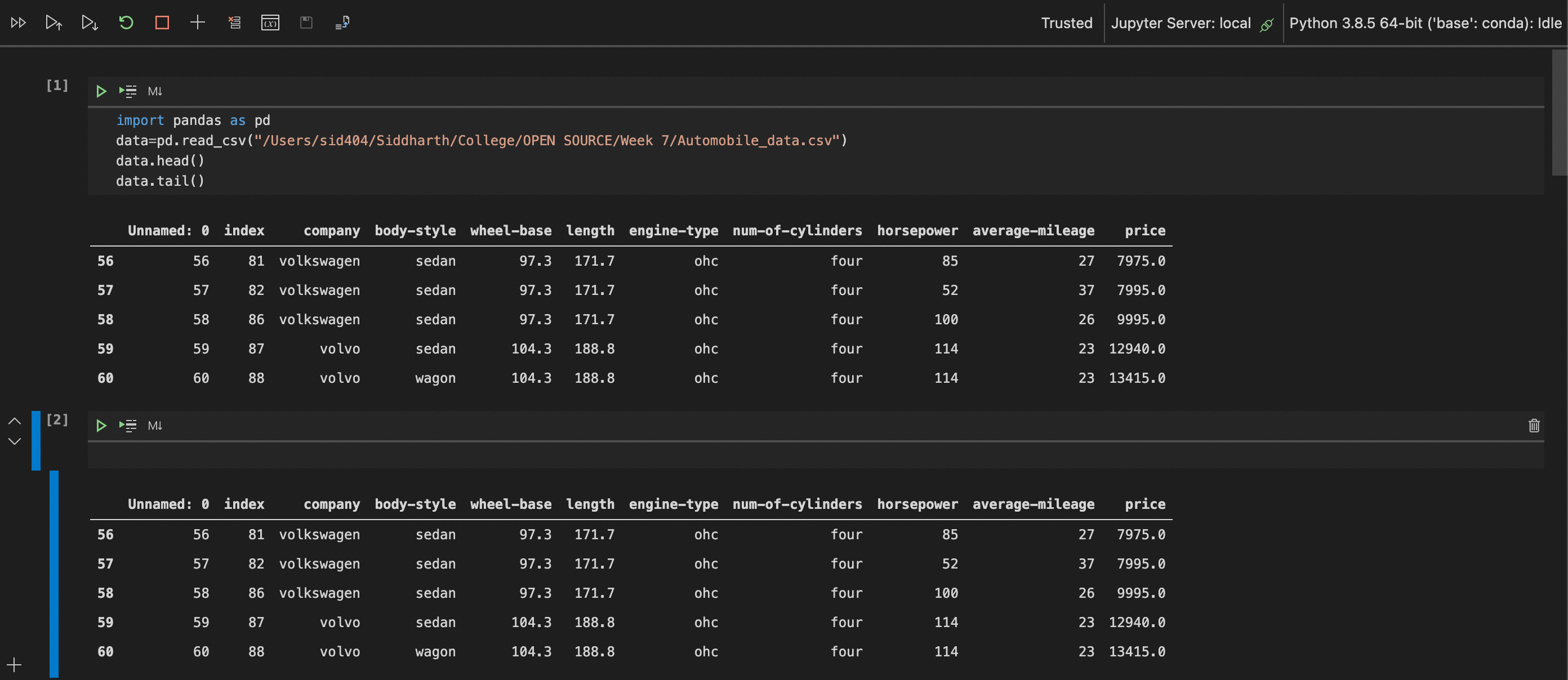
1)

import pandas as pd

data=pd.read\_csv("/Users/sid404/Siddharth/College/OPEN SOURCE/Week 7/Automobile\_data.csv")

data.head()

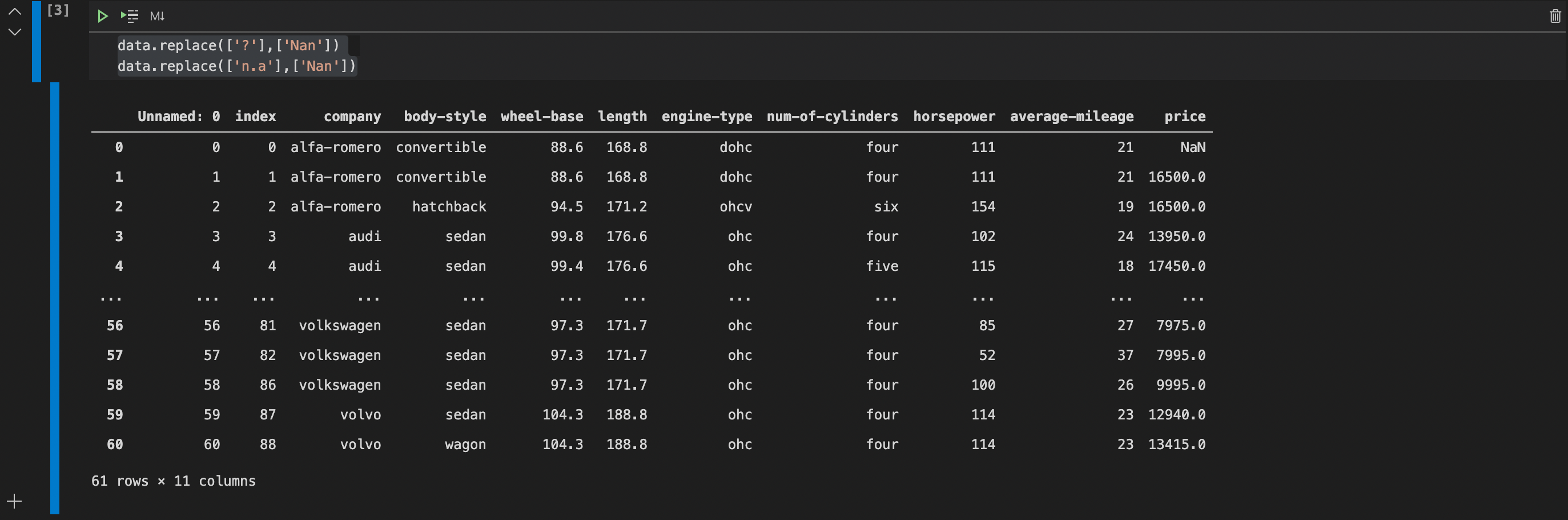
data.tail()



**2)**

data.replace(['?'],['Nan'])

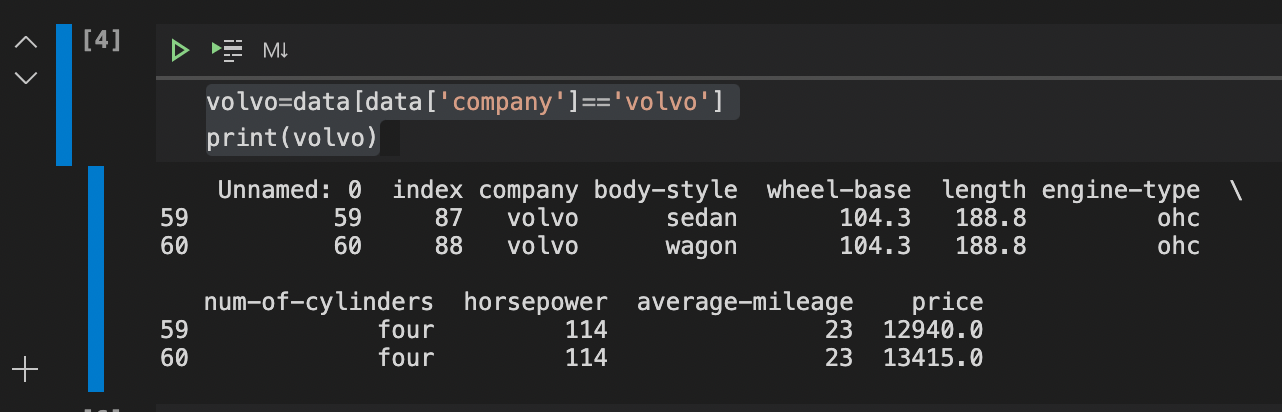
data.replace(['n.a'],['Nan'])



3)

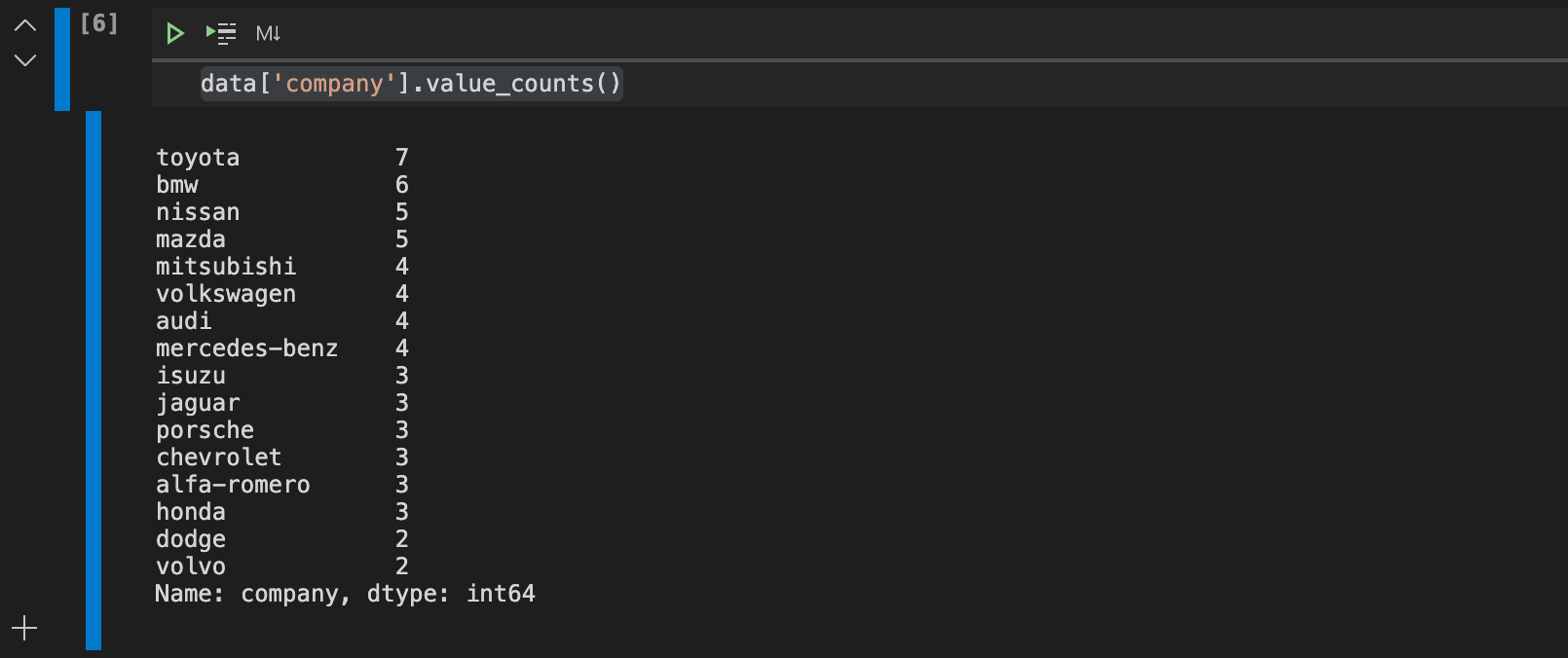
volvo=data[data['company']=='volvo']

print(volvo)



4)

data['company'].value\_counts()

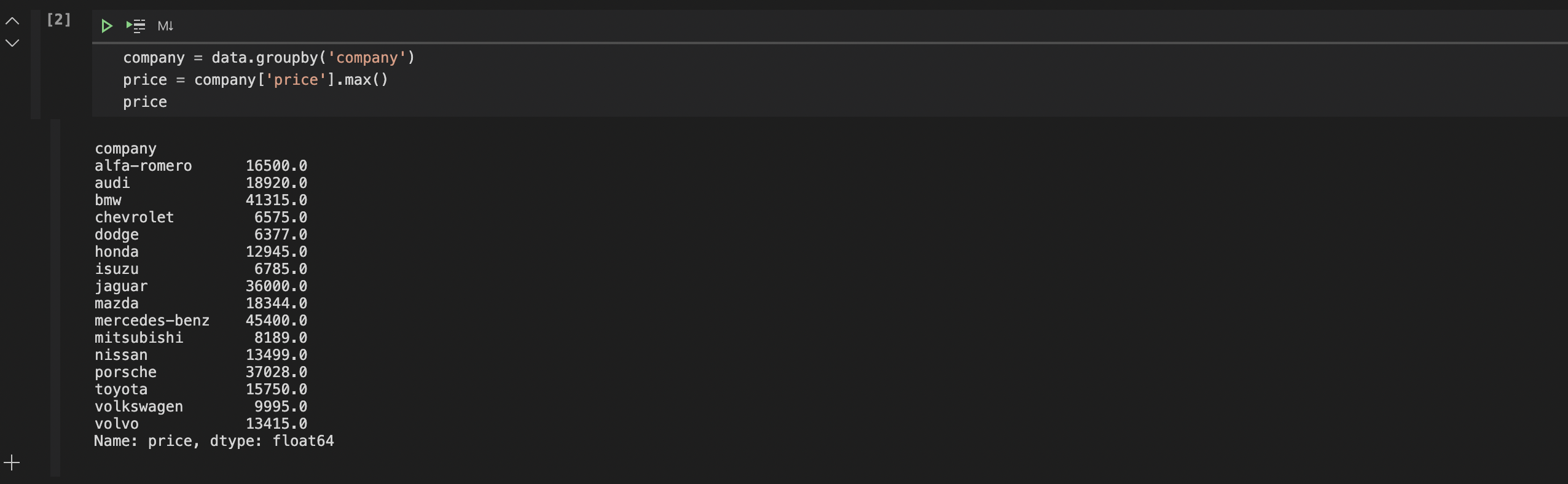


5)

company = data.groupby('company')

price = company['price'].max()

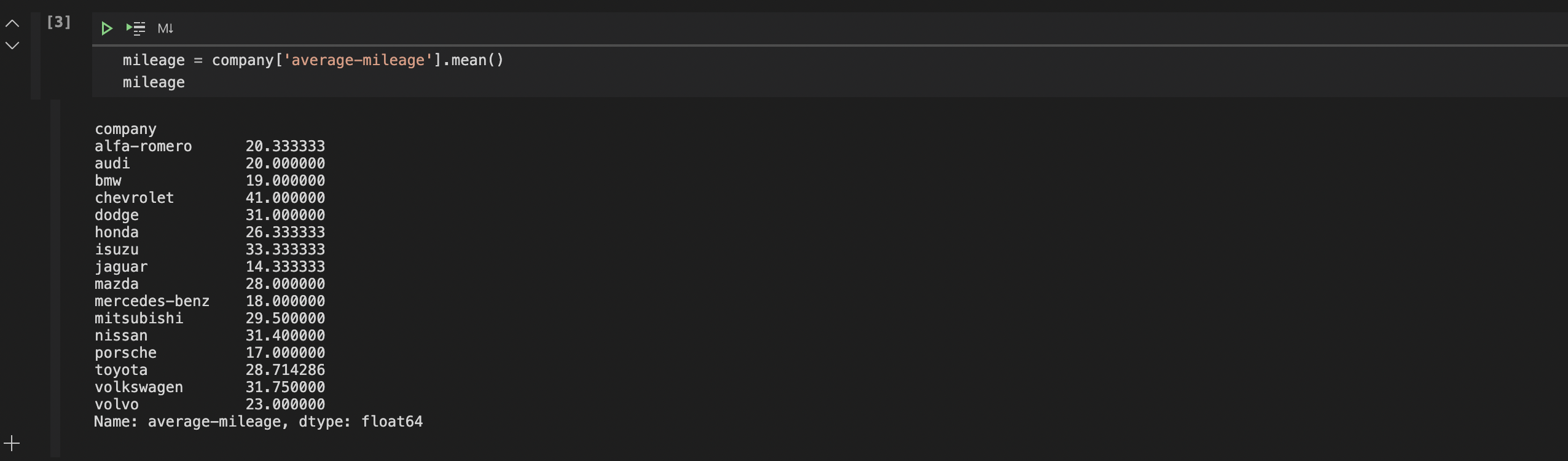
price



6)

mileage = company['average-mileage'].mean()

mileage



7)

Car\_Price = {'Company': ['Toyota', 'Honda', 'BMV', 'Audi'], 'Price': [23845, 17995,

135925, 71400]}

Car\_Price\_Data=pd.DataFrame.from\_dict(Car\_Price)

Car\_Horsepower = {'Company': ['Toyota', 'Honda', 'BMV', 'Audi'], 'horsepower': [141, 80,

182, 160]}

Car\_Horsepower\_Data=pd.DataFrame.from\_dict(Car\_Horsepower)

merged=pd.merge(Car\_Price\_Data,Car\_Horsepower\_Data, on ='Company')

merged

