**ONE CREDIT COURSE**

**PYTHON -DATA ANALYTICS**

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**1.Salary dataset**

import pandas as pd

import numpy as np

dataset=pd.read\_csv("Salary\_dataset.csv")

dataset

x=dataset.iloc[:,0:1]

dataset

y=dataset.iloc[:,1]

dataset

from sklearn.model\_selection import train\_test\_split

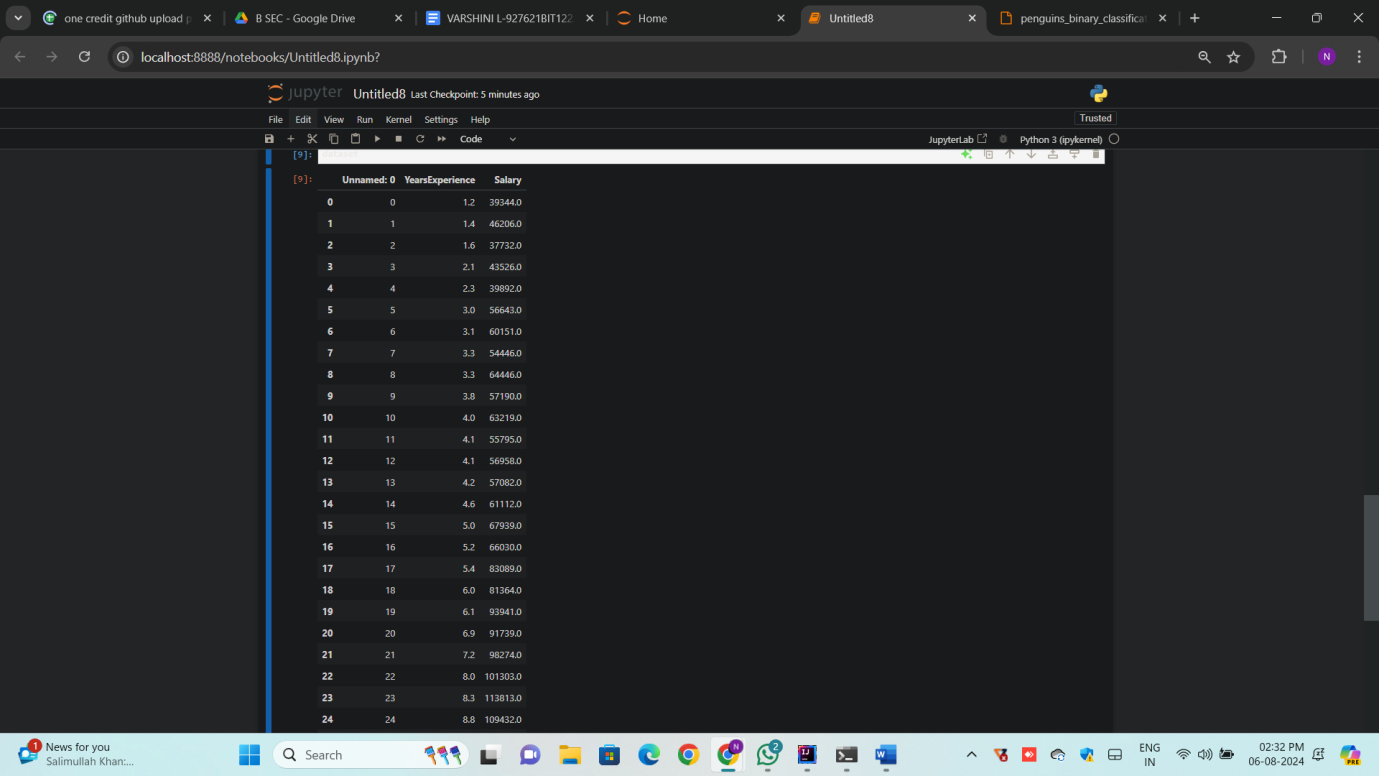
x\_train,x\_test,y\_train,y\_test = train\_test\_split(x,y,train\_size=0.8,random\_state=42)

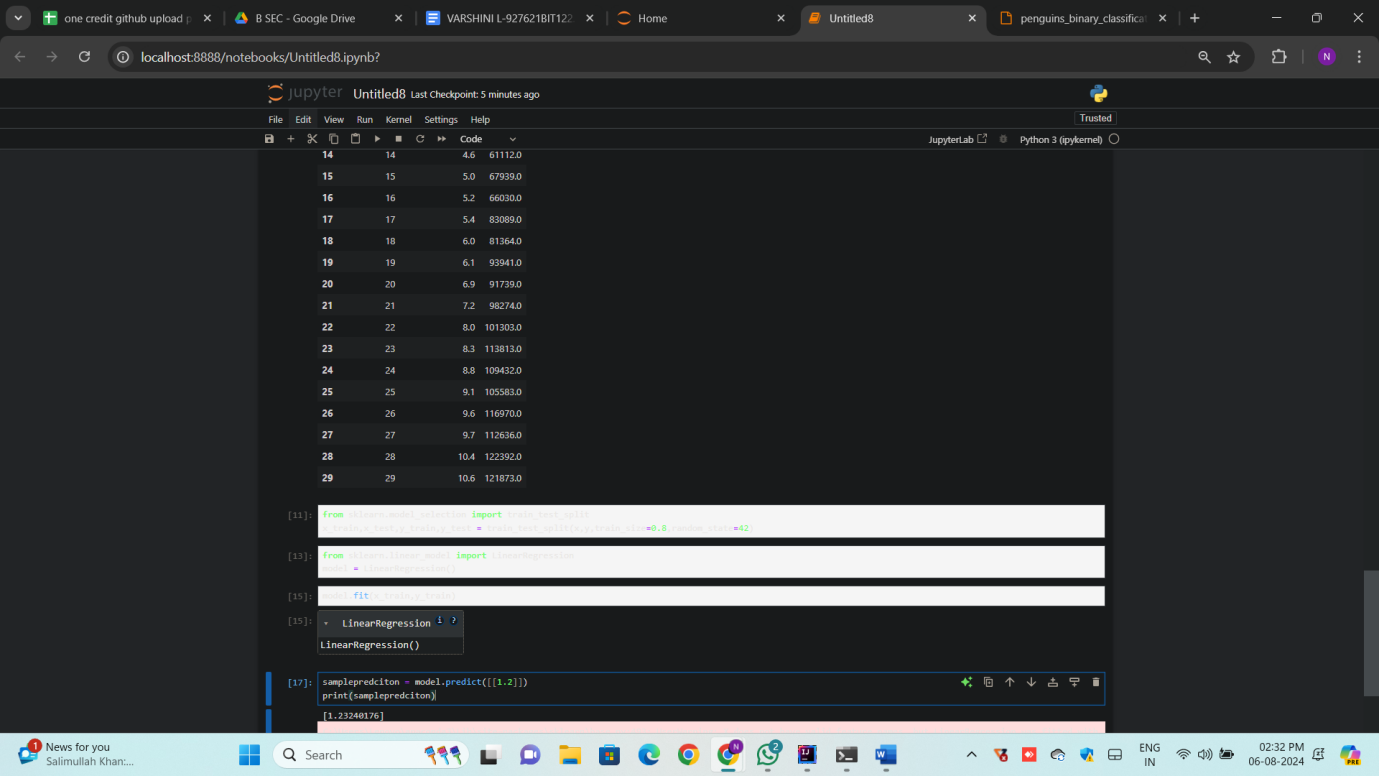
from sklearn.linear\_model import LinearRegression

model = LinearRegression()

model.fit(x\_train,y\_train)

samplepredciton = model.predict([[1.2]])

print(samplepredciton)  
  
  


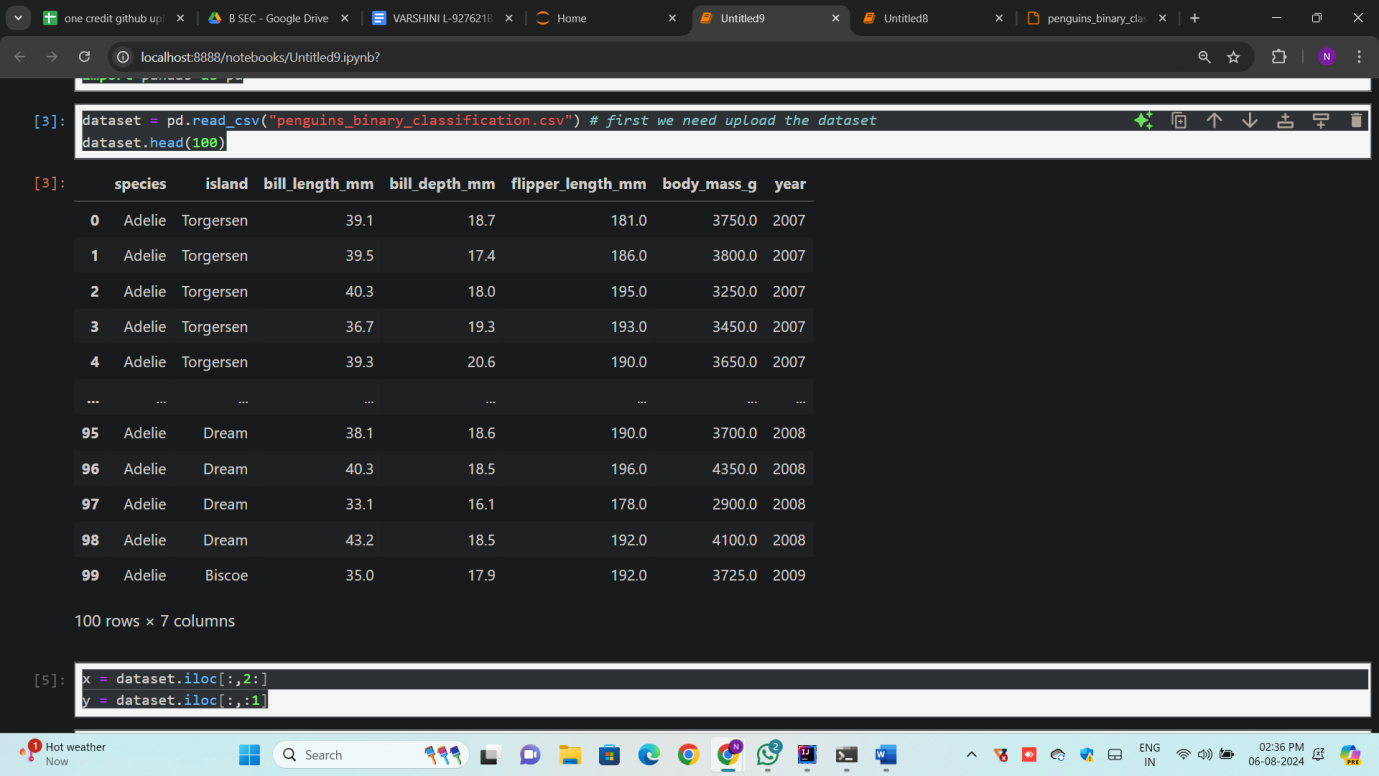


**2.penguins\_binary\_classification**  
  
import numpy as np

import pandas as pd

dataset = pd.read\_csv("penguins\_binary\_classification.csv") # first we need upload the dataset

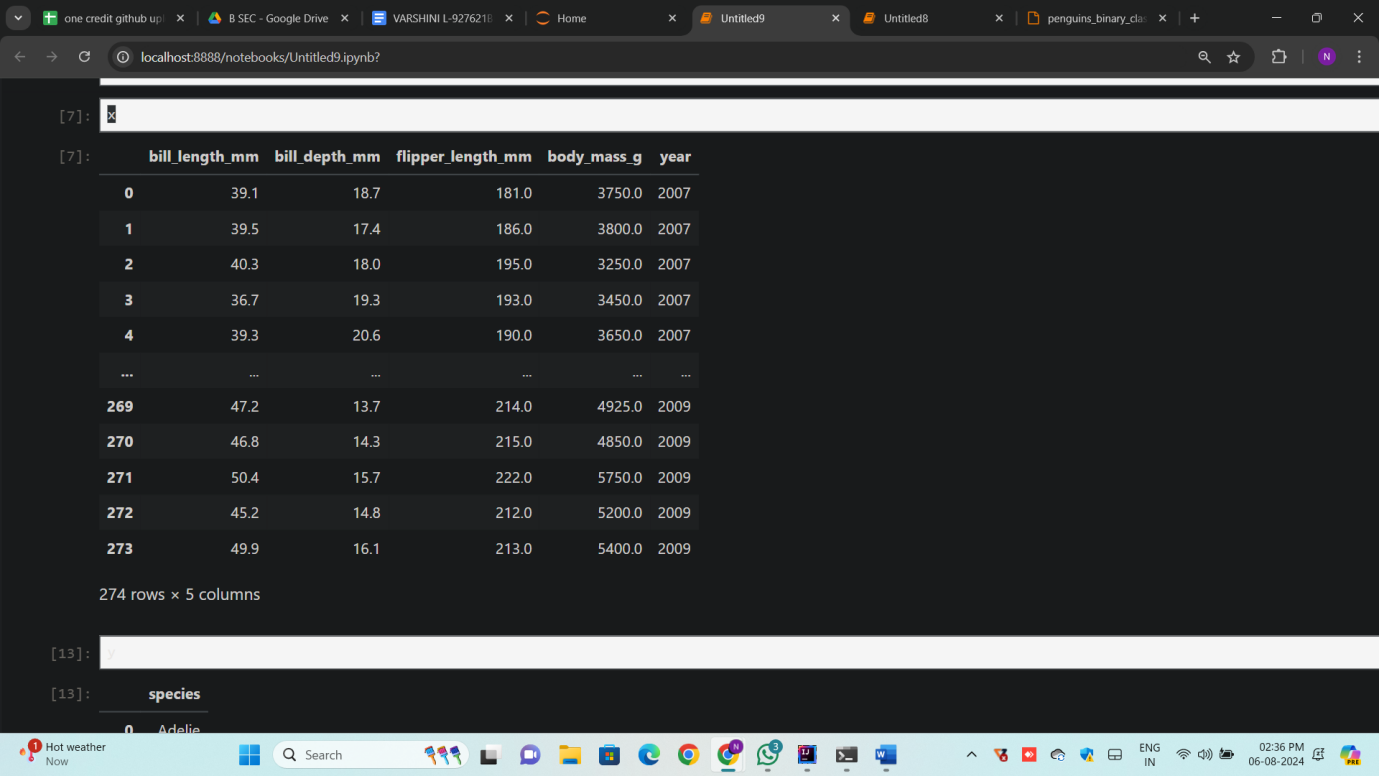
dataset.head(100)



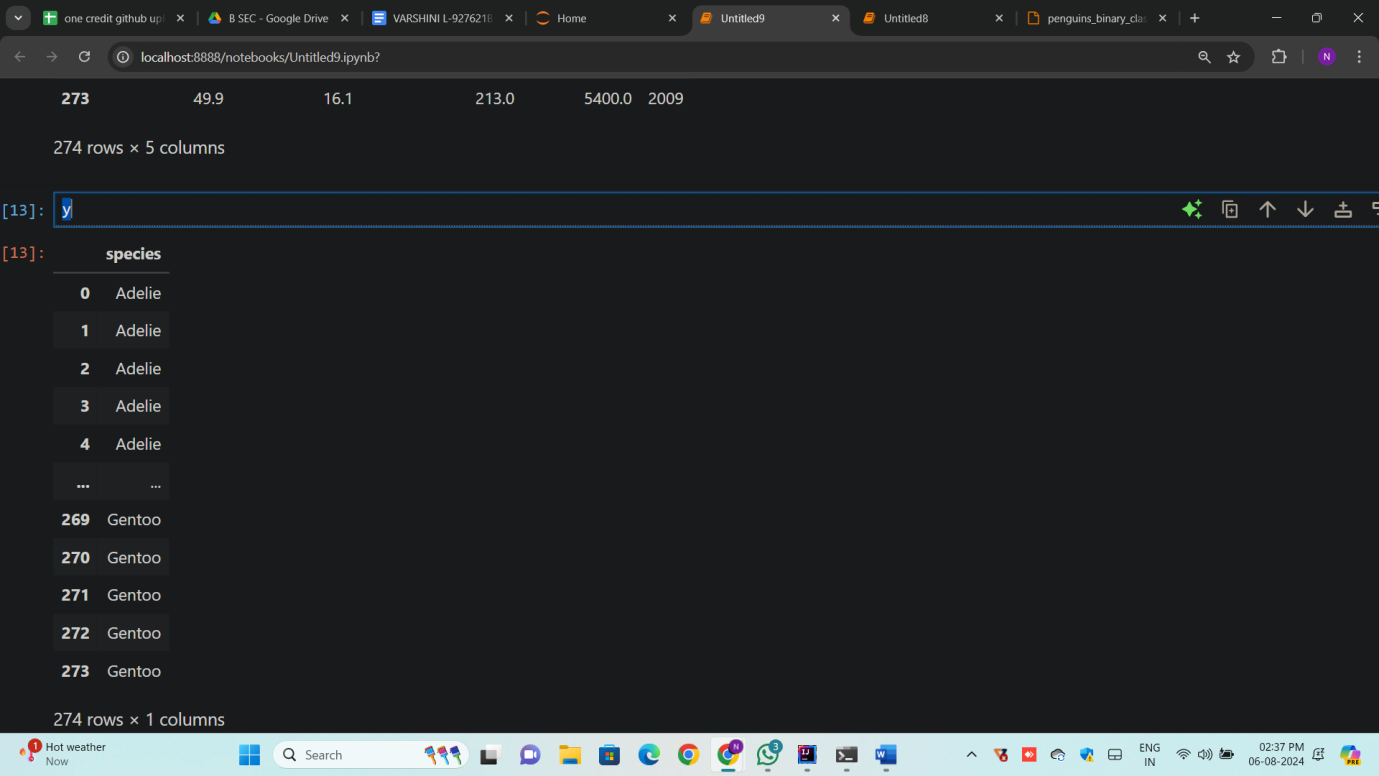
x = dataset.iloc[:,2:]

y = dataset.iloc[:,:1]

x



Y



from sklearn.model\_selection import train\_test\_split

x\_train,x\_test,y\_train,y\_test = train\_test\_split(x,y,train\_size=0.8,random\_state=42)

from sklearn.linear\_model import LogisticRegression

model = LogisticRegression()

model.fit(x\_train,y\_train)

