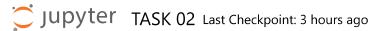
8/24/24, 6:13 PM TASK 02





import numpy as np [1]: import pandas as pd import matplotlib.pyplot as plt import seaborn as sns from sklearn.cluster import KMeans customer data = pd.read csv("C:/Users/nagah/OneDrive/Desktop/Mall Cus [3]: customer\_data.head() [4]: [4]: **CustomerID Gender Age Annual Income (k\$) Spending Score (1-100)** 0 1 Male 19 15 39 2 1 Male 21 15 81 2 3 Female 20 16 6 3 Female 23 16 77 4 Female 31 17 40 customer\_data.shape [5]: (200, 5) customer\_data.info() [6]: <class 'pandas.core.frame.DataFrame'> RangeIndex: 200 entries, 0 to 199 Data columns (total 5 columns): Column Non-Null Count Dtype 200 non-null CustomerTD int64