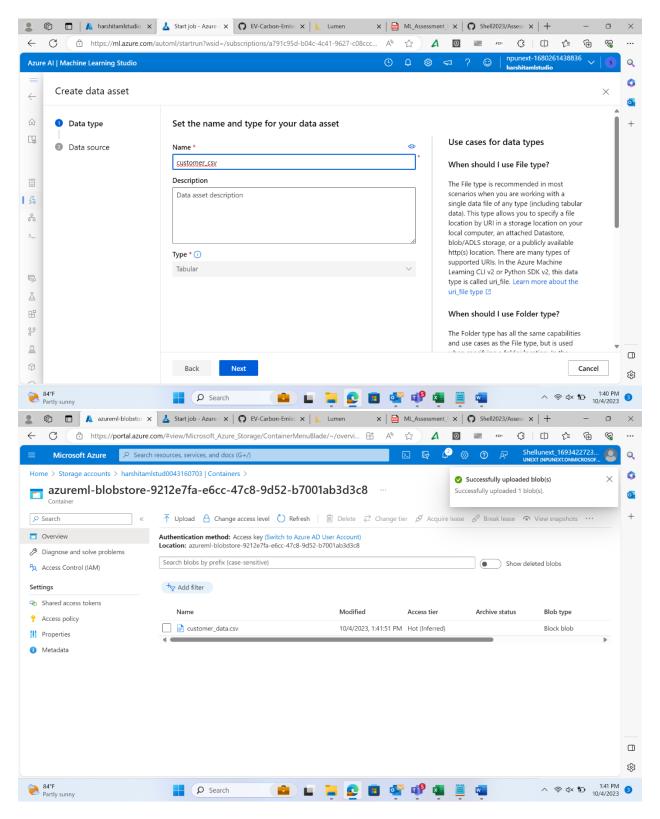
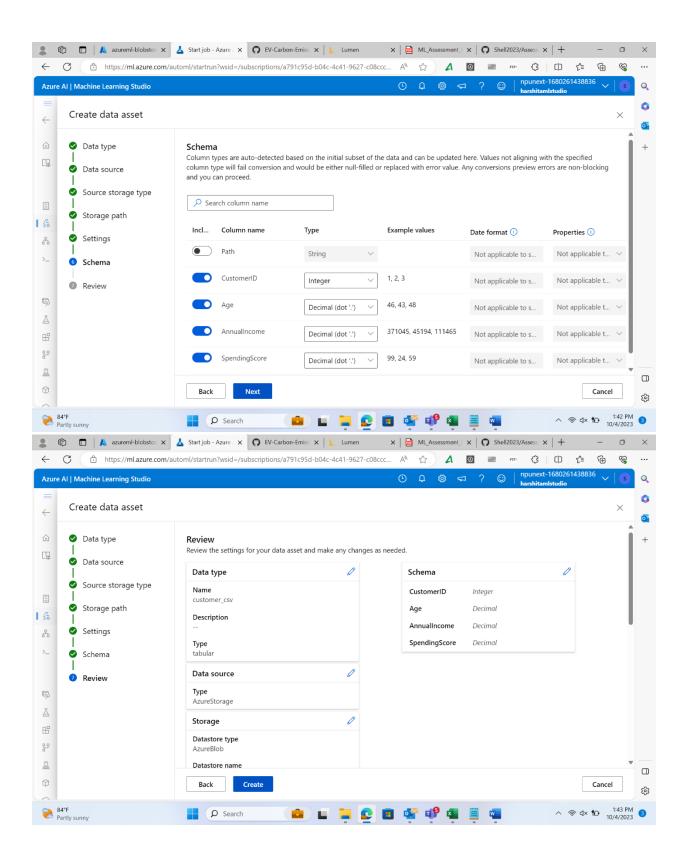
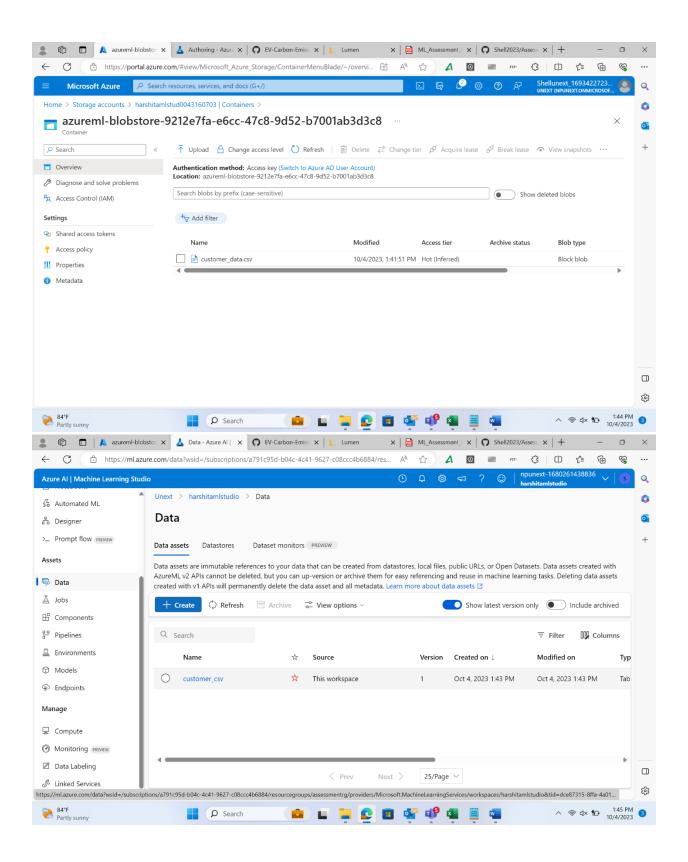
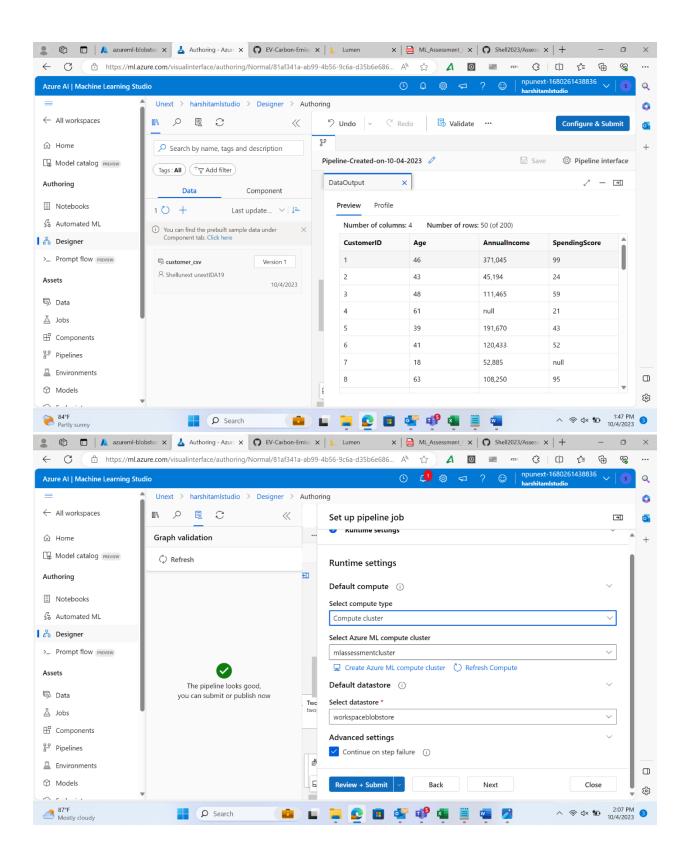
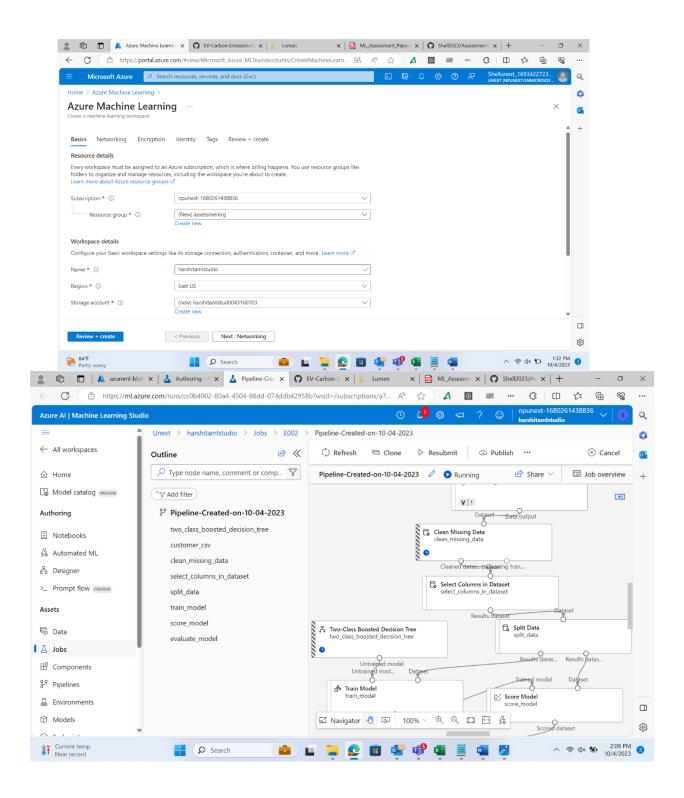
Hands on Assessment for Azure ML Studio

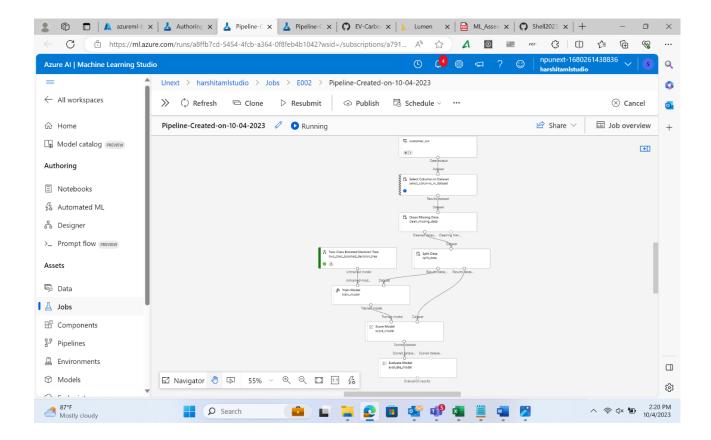












- 1. What are the key steps involved in preparing the dataset for training a machine learning model using Azure Machine Learning? Briefly explain each step.
- 1. Importing the data either through blob storage or local files.
- 2.cleansing of data.(i.e replacing null values)
- 3. Transformation.
- 4. Splitting the data into train and test data.
- 2. Why is it important to split the dataset into training and testing sets when developing a machine learning model? How does this help in model evaluation?

Splitting the data into training and testing is all about training the model with the training data in the ratio of 70% i.e. 0.7 training data and 30% i.e. 0.3 testing data. The ratio may vary like 80% and 20%. More the training data ratio more is the accuracy.

3.Describe a machine learning algorithm suitable for predicting customer purchasing behaviour in the given scenario. Explain why you chose this algorithm

Two class boosted decision tree algorithm is being used. Decision tree because based on certain condition decision is being taken.

4. What is hyperparameter tuning, and why is it important in machine learning? Explain a technique used for hyperparameter tuning and its benefits

It is a method for optimizing the performance. It is important in order to get more accurate results. We will tune certain parameters. Tune model hyperparameters is the method we have in azure ML studio.