**01. Import the Python Libraries**

**02 Load the dataset**

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**A screenshot of a computer

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**03. Display the first and the last 5 rows of the data**

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**04. Check for the Types of the Data in the Dataset**

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**5. Remove the irrelevant columns**

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**6. Renaming the columns**

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**7. Check for Duplicate Rows**

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**8. Drop the Missing or Null ValuesA screenshot of a computer

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**9. Outliers Detection**

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**10. Visualization Plots**

**i. Scatter Plot**

**A graph with blue dots

Description automatically generated**

**ii. Histogram  
A screenshot of a graph

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**iii. Heat Maps**

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**Machine Learning Pipeline**

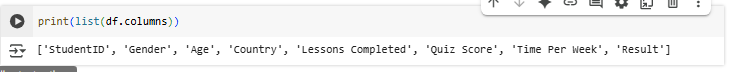
**Task 2**

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**A screenshot of a quiz

Description automatically generated**

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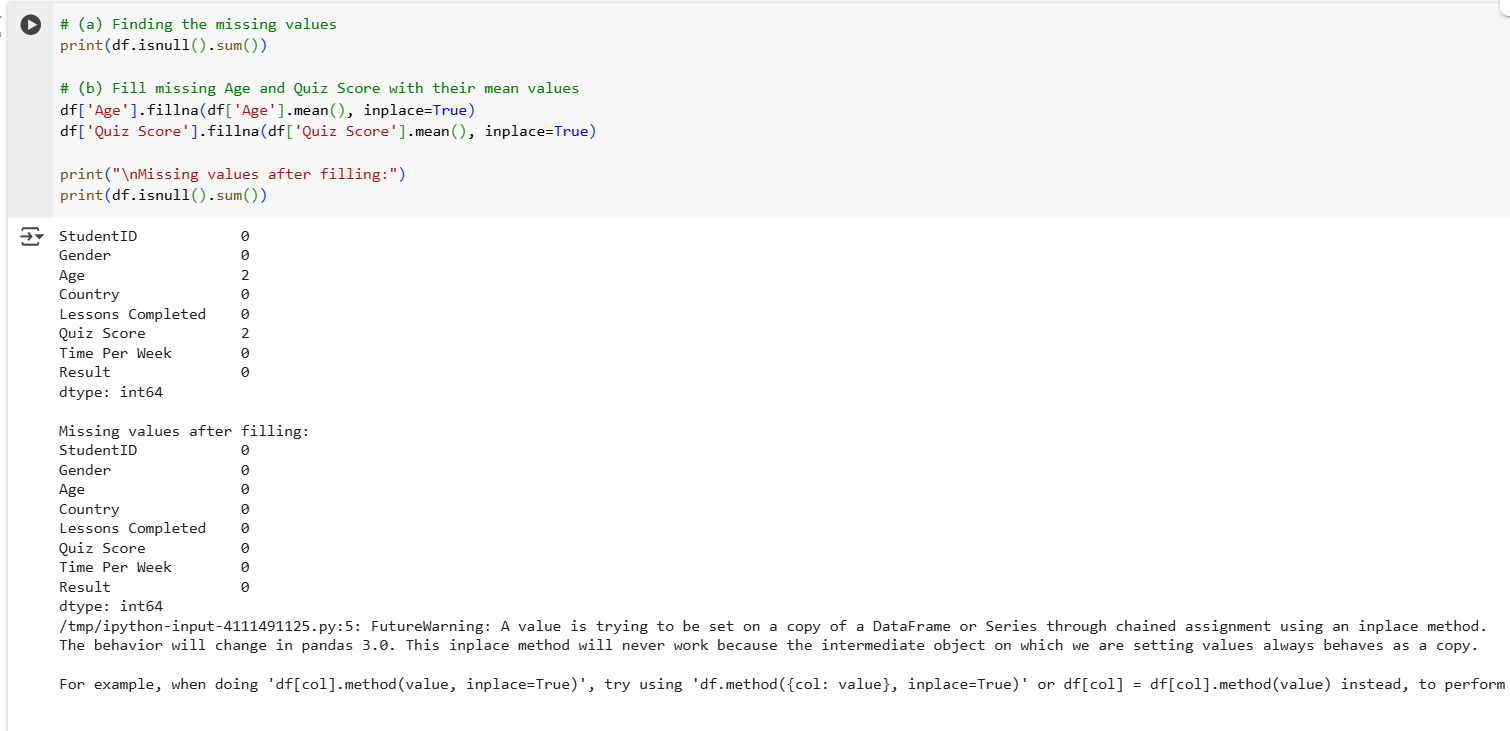
**A screenshot of a computer code

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**7. Display the Descriptive Statistical Features of the DataFrame  
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**8. Handling Missing Data**

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**9. Encode Categorical Data**

**10. Add a New Feature "Engagement Level"**

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**11. Normalize numerical features using MinMaxScaler**

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**12. Preview the final preprocessed dataset**

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**A Simple Machine Learning Model**

**1. Prepare features (X) and label (y) for model training**

**2. Split data into training and testing sets**

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**A graph with blue bars

AI-generated content may be incorrect.**