Question1 -16345434

**Data cleaning:**

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**Data Analysis:**

1. **Importing Libraries**:
   * **pandas** is imported as **pd** to work with data frames.
   * **ttest\_ind** from **scipy.stats** is imported to conduct an independent t-test.
2. **Reading the CSV file**:
   * The code reads the dataset **clean\_frailty\_data.csv** into a pandas DataFrame **frailty\_data**.
3. **Conducting t-test**:
   * The two categories: 'Y' (indicating frailty) and 'N' (indicating non-frailty) from the DataFrame.
   * Conducting an independent t-test (**ttest\_ind**) with the two sets of weight data, specifying **equal\_var = False** to perform Welch's t-test, which does not assume equal variances between the groups.
4. **Printing t-test results**:
   * The t-test statistic (**t\_stat**) and the corresponding p-value (**p\_value**) are printed to the console.

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