DATA QUESTIONS

1. Which majors are preferred by which demographics? Which are least pursued? (either)
2. How interested are the students in taking more computer science related classes? (the scale of 1-5 question) (df1)
3. What percentage of people said they wanted a career switch into computer science or related majors? (df2)
4. Are just taking the class the class as a requirement? Which class are they in? what is their demographic? (df2)
5. What percentage of students had completed some computer science activities in the past if any? What is their demographic? (either)

ASSIGNMENT

* Objective: Explore the Project 1 dataset using Python and perform data cleaning using pandas.
* Complete in a Jupyter Notebook,
  + Read in the Project 1 dataset into a pandas data frame.
  + Explore the dataset using some of pandas’ properties and built-in functions.
  + Show your explorations and results in separate notebook cells.
  + Perform data cleaning operations on the Project 1 dataset. Some of the actions you should consider:
    - Rename the columns to a single, lower-case word. Use the underscore character to combine words, if needed.
    - The focus of this study is on recruitment of new students. Evaluate which features are important for the study. Remove the features that are not relevant or redundant.
    - Some of the features like Major and Race have redundancies. Clean and condense the values to have fewer different values. For example, perhaps collapse all engineering majors into Engineering.
    - Consider if there are other data cleaning actions you should take.
  + Save your cleaned dataset as a new CSV file.
* Notebook Requirements:
  + All operations should be performed via Python using the pandas data frame.
  + Your notebook should contain comments (using Markdown cells) that include:
    - Initial comments: your name, date, exercise, and description of the overall purpose or goal of the notebook
    - Documentation of what individual cells or groups of cells do, just as you would identify an outline of a paper