You are given a csv file. Read the csv file and do the following

Explore what is dataframe, series.

Do the following:

Inspecting dataframe

1. Print the head, information, number of rows and columns, and description of the homelessness data

Parts of a dataframe

2. Print a 2D NumPy array of the values in `homelessness`. Print the column names of `homelessness`.Print the index of `homelessness`

Sorting rows

3. Sort homelessness by the number of homeless individuals in the individuals column, from smallest to largest, and save this as homelessness_ind. Print the head of the sorted DataFrame.
4. Sort `homelessness` by the number of homeless `family_members` in descending order, and save this as `homelessness_fam`
5. Sort `homelessness` first by region (ascending), and then by number of family members (descending). Save this as `homelessness_reg_fam`

Subsetting columns

6. Create a Series called `individuals` that contains only the `individuals` column of `homelessness`.
7. Create a DataFrame called `state_fam` that contains only the `state` and `family_members` columns of `homelessness`, in that order.
8. Create a DataFrame called ind_state that contains the individuals and state columns of homelessness, in that order.

Subsetting rows

9. Filter `homelessness` for cases where the number of `individuals` is greater than ten thousand, assigning to `ind_gt_10k`
10. Filter `homelessness` for cases where the USA Census `region` is "Mountain", assigning to `mountain_reg`
11. Filter `homelessness` for cases where the number of `family_members` is less than one thousand and the `region` is "Pacific", assigning to `fam_lt_1k_pac`