Use the text file FedCensus1930_CambriaCountyPA.txt to code the following task.

1. Write a Citizen class with instance variables of first name, last name, street, street number, relation, rent or own, value of property (or rent amount), gender, age, marital status (single, married, widowed, divorced), age at first marriage, attend school, can read, birthplace, father's birthplace, mother's birthplace, mother tongue, year immigrated, occupation, industry, and transcriber remarks. (Citizen must be sortable by priority based on the order shown above.)

In a runner:

2. Fill a TreeMap (using street name as the key) with a TreeSet of Citizens.
3. Use an iterator to display all of the citizens who lived on each street.
4. Fill a TreeMap (using birthplace as the key) with a PriorityQueue of Citizens ages (a double) from that birthplace.
5. Use an iterator to display the ages for each birthplace (except for Pennsylvania – just display a count of citizens who were born in Pennsylvania).
6. Fill a new TreeMap (using mother tongue as the key) with an ArrayList of Citizens names (last name, first name as a String) who speak that mother tongue.
7. Use an iterator to display the counts of all Citizens names who speak each of the mother tongues.
8. Fill a new TreeMap (using occupation as the key) with a HashSet of father's birthplaces (a String) who work that occupation.
9. Use an iterator to display all of the Citizens father's birthplaces who work the respective occupations.
10. Fill a new TreeMap (using gender as the key) with a HashSet of transcriber's remarks (as a String) as the values.
11. Display all of the transcriber's remarks for each gender.
12. Fill a new TreeMap (using rent or own as the key) with an TreeSet of values of properties (or rent amounts) (a double – keep in mind that values like 23 ½ need to be converted into a double)
13. Display all of the values of the properties (or rent amounts) as doubles based on rent or own status.

14. Make up a TreeMap of your own (with a key of your choosing and their respective value – which needs to be a structure (Stack, Queue, ArrayList, Tree/HashSet) of some type) to answer a question that you feel is worth investigating. Keep in mind that this question is worth 20% and will receive no credit if you have a TreeMap that answers the same question as another person in any of my classes. You must display summary information after filling your TreeMap.