Big Program II -Credit Courd Dobt

Suppose you are given a large data
file (CSV) with information on
credit could delet for interstudes in
the U.S. You are tasked with
the U.S. You are tasked with
writing sine wide to search this
writing sine wide to search this

- All the people where "Jo"
 name starts with "Jo"
- (2) All the people with, sas, less than \$2000 is well and debt.
- 3) It le prople from a given state.
 Write some code to do plus!!

- 1 -lam the

Questions: De CSV data in the CSV Rile 1012 like?

- 2) What data structures will we use ?
- 3 What algoriths for searching will we need?

Customer Dota. CSU

Last Name, State, Debt. String String Swat

First I den: 3 ordered lists.

Names = [] List of strings States = [] List of strings debts = [] List of strings

10000 lines long!

Step 1: Write a fuction which will read the data from the Rie, store the data in These lists, and then return the lats. def read-customer-dota (f. Tename):

names = [], stakes = [], depts = [] return names, states, debts Realing data from CSU files: open (filename, 'r') as file: reader = csv. reader (file) with for row in reader: names. appenl (row [b]) States. append (rmC1]) dests. append (float (row [2]))

```
Get information from user
Step 2:
                  dobt limit
             (i)
                   name to search for
             (ii)
                   state to look for
             (iii)
                     in 7 ( in pu4 ( ))
     debt-1:mit =
                       input ()
     Search - phrase =
     st = input()
               Find The highest
Step3:
              Credit Cond debt
      index-max = $\Phi$
     fr. n in range (len (names));
             if debots [n] > debts [index-mox]:
                   index-max = n
     print (f" Highost Debt: { names [index-max]}"}
                Similar pricedues ...

just break it down!!
Step 4 - 8:
 100 like program!
```

Suddenly, you have a large task at the that seems like a large task at the start ... but each Step 17 less than 10 lines. (i)