

CSE102#HW09

Write a C program that keeps information about world countries. There could be at most 100 countries. Use C Structures with the following data fields to represent countries.

- Country name (at 25 characters),
- Country population,
- Country area in km squares,
- Number of soldiers in the army,
- Neighbor countries (at most 10 neighbors, 0 for island countries)

When your program runs, it should offer the following options

- (a) Add a country (*if user presses corresponding key, in this case: 'a', (Type '-1' to finish neighbor input)*)
- (b) Print name of the most powerful country in terms of military strength in vicinity of a given country (among neighbors of neighbors of given country including itself)
- (c) Print name of the largest country in terms of land it possesses in vicinity of a given country (among neighbors of neighbors of given country including itself)
- (d) Calculates and prints how many people at minimum should be seen if I need to go from a given country to another given country (Assume that if I visit a country, I would see all people of that country). If the target country is inaccessible then print INACCESSIBLE.
- (e) Exit the program (*Presses key 'e'*)

Sample Usage

Make your choice:

a

Turkiye

79000000

815000

640000

Azerbaycan

Bulgaristan

Ermenistan

Gurcistan

Irak

Iran

Suriye

Yunanistan

-1

Make your choice:

b

Turkiye

<output>Turkiye

Make your choice:

c

Turkiye

<output>Turkiye

Make your choice:

d

Turkiye Bulgaristan

<output>INACCESSIBLE

Make your choice:

e

<output>Good Bye

#notes

- You should send your main function completely.
- The assignment must be your original work. Duplicate or very similar assignments are both going to be considered as cheating.
- Ask your questions via moodle.