✓ **Write a program in C++ to use map associative container. The keys will be the names of states and the values will be the populations of the states. When the program runs, the user is prompted to type the name of a state. The program then looks in the map, using the state name as an index and returns the population of the state.**

```cpp
#include <iostream>
#include <map>
#include <string>
using namespace std;
int main()
{
    // Create a map to store state names and their populations
    map<string, int> statePopulation;

    // Insert some state names and populations into the map
    statePopulation["Maharashtra"] = 999538223;
    statePopulation["Tamil Nadu"] = 29145505;
    statePopulation["Uttar Pradesh"] = 21538187;
    statePopulation["Gujrat"] = 20201249;
    statePopulation["Karnataka"] = 13002700;

    string state;
    cout << "Enter the name of a state: ";
    getline(cin, state);  // Get the state name from the user

    // Search for the state in the map
    auto it = statePopulation.find(state);

    if (it != statePopulation.end())
    {
```
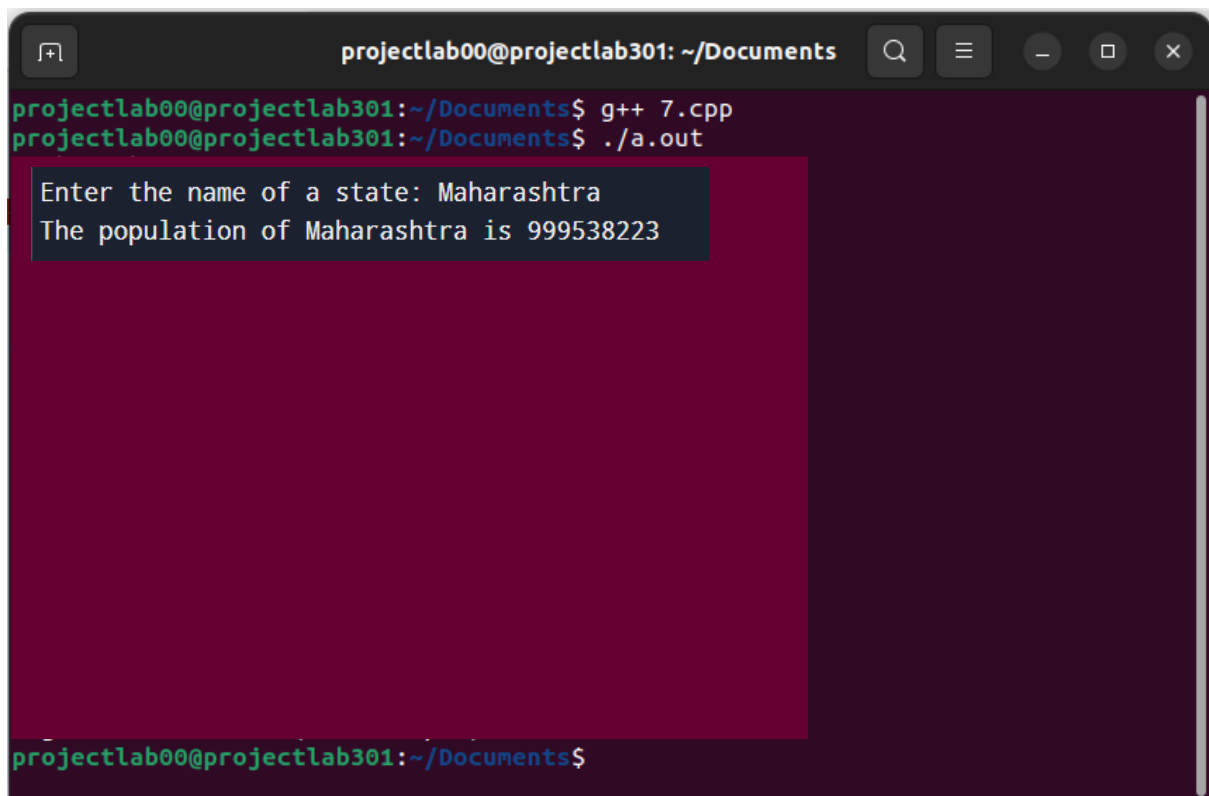
```
    // If the state is found, output its population

    cout << "The population of " << state << " is " << it->second << endl;

  }

  else

  {

    // If the state is not found, display a message

    cout << "State not found in the database." << endl;

  }


  return 0;

}
```

// OUTPUT