* **Code:**

#include <iostream>

#include <map>

#include <string>

using namespace std;

map<string, string> capitals;

void insert\_elements()

{

string key;

string value;

cout << "\nEnter the name of the country : ";

cin >> key;

cout << "Enter the capital of " << key << " : ";

cin >> value;

capitals[key] = value;

}

void print\_elements()

{

for (auto item : capitals)

{

cout << "Name of the country " << item.first << ": Name of the capital ";

cout << item.second << endl;

}

}

void delete\_elements()

{

string key\_to\_be\_deleted;

cout << "\nEnter the name of the country that you want to delete : ";

cin >> key\_to\_be\_deleted;

capitals.erase(key\_to\_be\_deleted);

}

void search\_elements()

{

string key\_to\_be\_searched;

cout << "\nEnter the name of the country that you want to search : ";

cin >> key\_to\_be\_searched;

cout << "Capital of " << key\_to\_be\_searched << " is " << capitals[key\_to\_be\_searched] << "\n";

}

void update\_elements()

{

string key\_to\_be\_updated;

string new\_key;

cout << "\nEnter the name of the country whose capital you want to update : ";

cin >> key\_to\_be\_updated;

cout << "Enter the name of new capital : ";

cin >> new\_key;

capitals[key\_to\_be\_updated] = new\_key;

}

int main()

{

int choice;

cout << "\n1. To insert data into the Dictionary." << endl;

cout << "2. To print data from the Dictionary." << endl;

cout << "3. To delete data from the Dictionary." << endl;

cout << "4. To search data from the Dictionary." << endl;

cout << "5. To update data from the Dictionary." << endl;

cout << "0. To exit the code." << endl;

while (1)

{

cout << "\nEnter your choice: ";

cin >> choice;

switch (choice)

{

case 0:

exit(0);

case 1:

insert\_elements();

break;

case 2:

cout << endl;

cout << "Contents of the Dictionary are :- \n";

print\_elements();

break;

case 3:

cout << endl;

delete\_elements();

cout << "Element deleted sucessfully.\n";

break;

case 4:

cout << endl;

cout << "Result of the search in the dictionary is :- ";

search\_elements();

break;

case 5:

cout << endl;

update\_elements();

cout << "Contents of the Dictionary updated sucessfully.\n";

break;

default:

cout << "Please Enter valid input.";

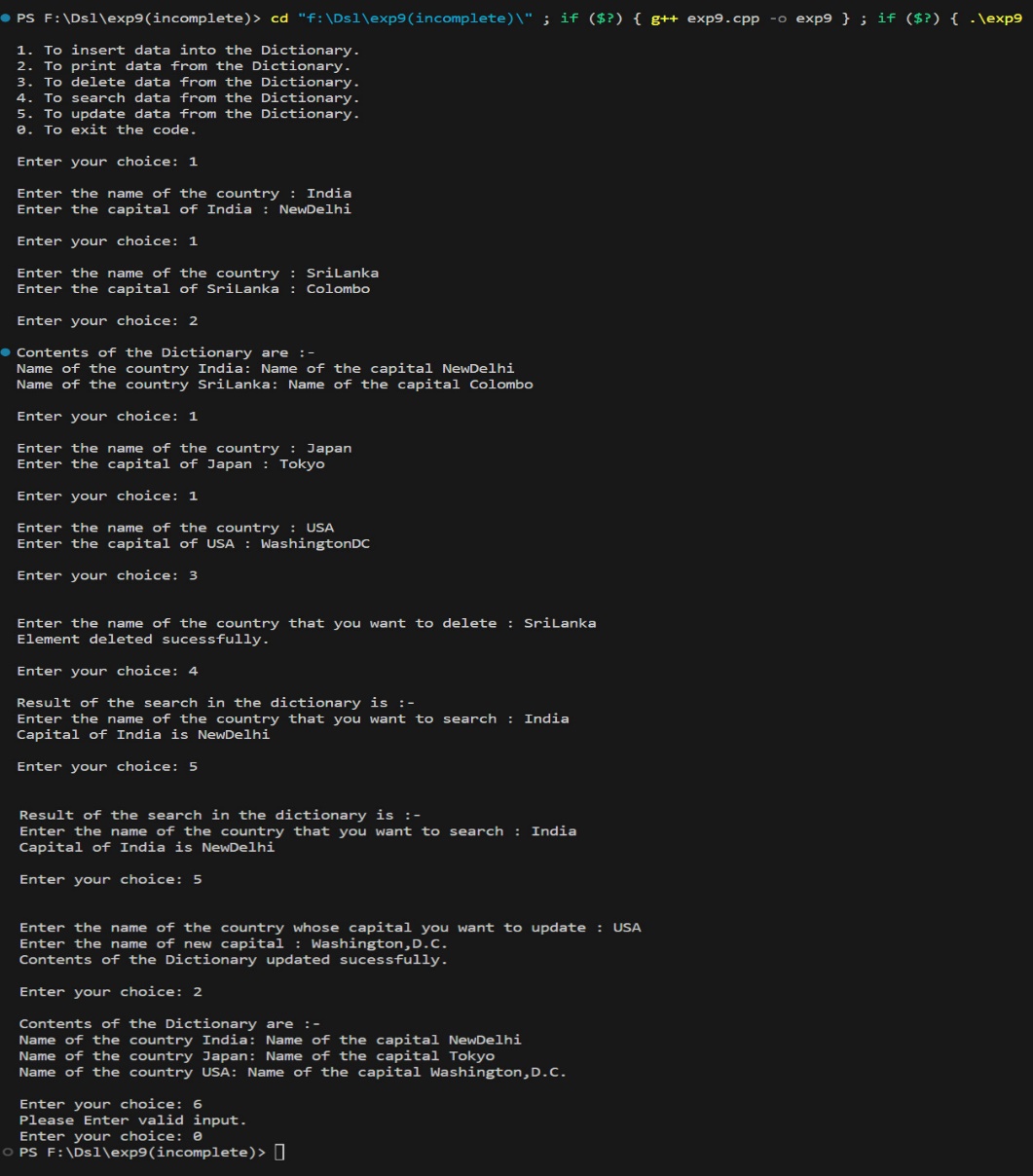
}

}

return 0;

}

* **Output:**

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