using System;

using System.Collections.Generic;

using System.Linq;

using System.Text;

using System.Threading.Tasks;

namespace dictionary

{

class Program

{

static void Main(string[] args)

{

Dictionary<string, string> capitals = new Dictionary<string, string>()

{

{"spain","madrid"},

{"france","paris"},

{"italy","rome"},

{"germany","berlin"},

{"russia","moscow"},

{"mexico","mexico city"},

{"argentina","buenos aires"},

{"colombia","bogota"},

{"chile","santiago"},

{"yugoslavia", "belgrade"}

};

Start:

Console.WriteLine("Welcome to our World Capital Atlas");

Console.WriteLine("You can Add, Remove or Search for a specific country and it's capital");

string input = Console.ReadLine().ToLower();

switch(input)

{

case "add":

AddCountry(capitals);

LoopOver(capitals);

Console.WriteLine("\n");

goto Start;

case "remove":

RemoveCountry(capitals);

LoopOver(capitals);

Console.WriteLine("\n");

goto Start;

case "search":

SearchCountry(capitals);

LoopOver(capitals);

Console.WriteLine("\n");

goto Start;

default:

Console.WriteLine("Please input key and value!");

Console.WriteLine("\n");

goto Start;

}

}

static Dictionary<string, string> AddCountry(Dictionary<string, string> capitals)

{

Console.WriteLine("Please add a country");

string newcapital = Console.ReadLine().ToLower();

Console.WriteLine("Please add its capital");

string newcountry = Console.ReadLine().ToLower();

capitals.Add(newcapital, newcountry);

return (capitals);

}

static Dictionary<string, string> RemoveCountry(Dictionary<string, string> capitals)

{

Console.WriteLine("Please remove a country");

string removecountry = Console.ReadLine().ToLower();

capitals.Remove(removecountry);

return (capitals);

}

static void SearchCountry(Dictionary<string, string> capitals)

{

Console.WriteLine("Search for a country");

string seekcapital = Console.ReadLine().ToLower();

Console.WriteLine("Search for its capital");

string seekcountry = Console.ReadLine().ToLower();

bool capitalavailable = capitals.ContainsKey(seekcapital);

bool countryavailable = capitals.ContainsValue(seekcountry);

if(capitalavailable == true && countryavailable == true)

{

Console.WriteLine("This country is on this list \n");

}

else

{

Console.WriteLine("This country is not on this list \n");

}

}

static void LoopOver(Dictionary<string, string> capitals)

{

foreach (KeyValuePair<string, string> el in capitals)

{

Console.WriteLine(el.Value + " is the capital of " + el.Key);

}

}

}

}