using System;

using System.Collections.Generic;

using System.Linq;

using System.Text;

using System.Threading.Tasks;

namespace marvel\_movies

{

class Program

{

static void Main(string[] args)

{

Dictionary<string, int> marvelmovies = new Dictionary<string, int>()

{

{ "Iron Man", 2008},

{ "Iron Man 2", 2010},

{ "Captain America: The First Avenger", 2011},

{ "Thor", 2011},

{ "Avengers Assemble", 2012},

{ "Iron Man 3", 2013},

{ "Thor: The Dark World", 2014},

{ "Captain America: The Winter Soldier", 2014},

{ "Guardians of the Galaxy", 2014},

{ "Avengers: Age of Ultron", 2015},

{ "Ant-Man", 2015},

{ "Civil War", 2016},

{ "Doctor Strange", 2016},

{ "Guardians of the Galaxy Vol 2.", 2014},

{ "Spiderman: Homecoming", 2017},

{ "Thor: Ragnarok", 2017},

{ "Black Panther", 2018},

{ "Avengers: Infinity War", 2018},

{ "Ant-Man & The Wasp", 2018},

{ "Captain Marvel", 2019}

};

Console.WriteLine("Do you want to do one of the following: Add, Remove or Search");

string input = Console.ReadLine.ToLower();

switch (input)

{

case "Add":

AddNewMovie(marvelmovies);

LoopOver(marvelmovies);

Console.WriteLine("\n");

goto Start;

case "Remove":

RemoveMovie(marvelmovies);

LoopOver(marvelmovies);

Console.WriteLine("\n");

goto Start;

case "Search":

SearchMovie(marvelmovies);

LoopOver(marvelmovies);

Console.WriteLine("\n");

goto Start;

}

}

static Dictionary<string, int> AddNewMovie(Dictionary<string, int> marvelmovies)

{

Console.WriteLine("Enter the name of the new movie");

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

Console.WriteLine("Enter the year the movie is released");

int ReleaseYear = Console.Read().ToLower();

marvelmovies.Add(NewMovie, ReleaseYear);

return (marvelmovies);

}

static Dictionary<string, int> RemoveMovie(Dictionary<string, int> marvelmovies)

{

Console.WriteLine("Please remove a movie title");

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

marvelmovies.Remove(removemovie);

return (marvelmovies);

}

static Dictionary<string, int> SearchMovie(Dictionary<string, int> marvelmovies)

{

Console.WriteLine("Search the name of a movie");

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

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

int seekyear = Console.Read().ToLower();

bool movieavailable = marvelmovies.ContainsKey(seekmovie);

bool yearavailable = capitals.ContainsValue(seekyear);

if(movieavailable == true && yearavailable == true)

{

Console.WriteLine(seekmovie + " is listed. \n");

}

else

{

Console.WriteLine(seekmovie + " isn’t listed. \n");

}

}

static void LoopOver(Dictionary<string, int> marvelmovies)

{

foreach (KeyValuePair<string, int> movieinfo in marvelmovies)

{

Console.WriteLine("Movie: {0}, Year: {1}", movieinfo.Key, movieinfo.Value);

}

}

}