using System;

using System.Collections;

using System.Collections.Generic;

using System.Linq;

using System.Text;

using System.Threading.Tasks;

namespace Cs\_Lesson11

{

#region StandartInterfaces

//public class Student : IComparable<Student>

//{

// public int Age { get; set; }

// public double Score { get; set; }

// public int CompareTo(Student other)

// {

// if (this.Age > other.Age)

// {

// return -1;

// }

// else if (Age < other.Age)

// {

// return 1;

// }

// else

// {

// return 0;

// }

// }

// public override string ToString()

// {

// return $"Age {Age} Score {Score}";

// }

//}

//class Auditory : IEnumerable

//{

// public List<Student> Students { get; set; }

// public IEnumerator GetEnumerator()

// {

// return Students.GetEnumerator();

// }

//}

//public class Program

//{

// static void Main(string[] args)

// {

// List<Student> students = new List<Student>

// {

// new Student{Age = 18, Score = 77.4 },

// new Student{Age = 56, Score = 55.34 },

// new Student{Age = 34, Score = 35.3 }

// };

// //students.Sort();

// Auditory auditory = new Auditory();

// auditory.Students = students;

// //foreach (var s in students)

// //{

// // Console.WriteLine(s);

// //}

// foreach (var item in auditory)

// {

// Console.WriteLine(item);

// }

// }

//}

#endregion

#region MyRegion

//class MyMath

//{

// public int Add(int num1, int num2)

// {

// Console.WriteLine("Add");

// return num1 + num2;

// }

// public int Subtract(int num1, int num2)

// {

// Console.WriteLine("Subtract");

// return num1 - num2;

// }

// public int Multiply(int num1, int num2)

// {

// Console.WriteLine("Mult");

// return num1 \* num2;

// }

// public int Divide(int num1, int num2)

// {

// Console.WriteLine("Division");

// return num1 / num2;

// }

//}

//class Program

//{

// public delegate int CalcDelegate(int num1, int num2);

// static void Main(string[] args)

// {

// MyMath myMath = new MyMath();

// CalcDelegate calc = new CalcDelegate(myMath.Add);

// calc += myMath.Subtract;

// calc += myMath.Multiply;

// calc += myMath.Divide;

// //calc = myMath.Divide;

// var result = calc.Invoke(40, 20);

// Console.WriteLine(result);

// }

//}

#endregion

#region Task

class Program

{

class Notifications

{

public void YoutubeNotification()

{

Console.WriteLine("Notification from Youtube!");

}

public void InstagramNotification()

{

Console.WriteLine("Notification from Instagram!");

}

public void TelegramNotification()

{

Console.WriteLine("Notification from Telegram!");

}

public void FacebookNotification()

{

Console.WriteLine("Notification from Facebook!");

}

}

public delegate void NotificationDelegate();

static void Main(string[] args)

{

Console.CursorVisible = false;

NotificationDelegate notificationDelegate = null;

Notifications notification = new Notifications();

bool youtubeSubbed = false;

bool instaSubbed = false;

bool telegramSubbed = false;

bool facebookSubbed = false;

while (true)

{

Console.Clear();

Console.ResetColor();

Console.Write("Youtube ");

if (!youtubeSubbed)

{

Console.BackgroundColor = ConsoleColor.Red;

Console.WriteLine(" subscribe 1 ");

}

else

{

Console.BackgroundColor = ConsoleColor.White;

Console.WriteLine(" unsubscribe 1");

}

Console.ResetColor();

Console.Write("Instagram ");

if (!instaSubbed)

{

Console.BackgroundColor = ConsoleColor.Red;

Console.WriteLine(" subscribe 2");

}

else

{

Console.BackgroundColor = ConsoleColor.White;

Console.WriteLine(" unsubscribe 2");

}

Console.ResetColor();

Console.Write("Telegram ");

if (!telegramSubbed)

{

Console.BackgroundColor = ConsoleColor.Red;

Console.WriteLine(" subscribe 3");

}

else

{

Console.BackgroundColor = ConsoleColor.White;

Console.WriteLine(" unsubscribe 3");

}

Console.ResetColor();

Console.Write("Facebook ");

if (!facebookSubbed)

{

Console.BackgroundColor = ConsoleColor.Red;

Console.WriteLine(" subscribe 4");

}

else

{

Console.BackgroundColor = ConsoleColor.White;

Console.WriteLine(" unsubscribe 4");

}

Console.ResetColor();

Console.WriteLine();

var choice = Console.ReadKey();

if (choice.Key == ConsoleKey.D1)

{

if (!youtubeSubbed)

{

notificationDelegate += notification.YoutubeNotification;

youtubeSubbed = true;

}

else

{

notificationDelegate -= notification.YoutubeNotification;

youtubeSubbed = false;

}

}

else if (choice.Key == ConsoleKey.D2)

{

if (!instaSubbed)

{

notificationDelegate += notification.InstagramNotification;

instaSubbed = true;

}

else

{

notificationDelegate -= notification.InstagramNotification;

instaSubbed = false;

}

}

else if (choice.Key == ConsoleKey.D3)

{

if (!telegramSubbed)

{

notificationDelegate += notification.TelegramNotification;

telegramSubbed = true;

}

else

{

notificationDelegate -= notification.TelegramNotification;

telegramSubbed = false;

}

}

else if (choice.Key == ConsoleKey.D4)

{

if (!facebookSubbed)

{

notificationDelegate += notification.FacebookNotification;

facebookSubbed = true;

}

else

{

notificationDelegate -= notification.FacebookNotification;

facebookSubbed = false;

}

}

else

{

Console.Clear();

if (notificationDelegate != null)

notificationDelegate.Invoke();

else

Console.WriteLine("There is no notification here!");

break;

}

}

}

}

#endregion

}