using System;

using System.Threading.Tasks;

namespace AsyncAwaitExample

{

class Program

{

static void Main()

{

var demo = new AsyncAwaitDemo();

demo.DoStuff();

while (true)

{

Console.WriteLine("Doing Stuff on the Main Thread........");

}

}

}

public class AsyncAwaitDemo

{

public async Task DoStuff()

{

await Task.Run(() =>

{

LongRunningOperation();

});

}

private static async Task<string> LongRunningOperation()

{

int counter;

for (counter = 0; counter < 50000; counter++)

{

Console.WriteLine(counter);

}

return "Counter =" + counter;

}

}

}