

delegate BeginInvoke of IAsyncResult

```
using System;
using System.Threading;

class AsyncDelegatesBlocked
{
    public static int Add(int op1, int op2, out int result)
    {
        Thread.Sleep(3000);
        return (result = op1 + op2);
    }
    public delegate int AddDelegate(int op1, int op2, out int result);

    static void Main()
    {
        int result;
        AddDelegate add = new AddDelegate(Add);

        IAsyncResult iAR = add.BeginInvoke(6, 42, out result, null, null);

        for (int i = 0; i < 10; i++) { Thread.Sleep(200);
        Console.Write("."); } iAR.AsyncWaitHandle.WaitOne();
        add.EndInvoke(out result, iAR); Console.WriteLine("[Main] The
        result is {0}", result); } } [/csharp]
```