**EXERCISE-1  
SINGLETON   
ASHUTOSH DASH (SUPERSET ID – 6365404)**

using System;

namespace SingletonPatternExample

{

public sealed class Logger

{

private static Logger instance = null;

private static readonly object lockObj = new object();

private Logger()

{

Console.WriteLine("Logger created by Ashutosh Dash from KIIT DU");

}

public static Logger GetInstance()

{

if (instance == null)

{

lock (lockObj)

{

if (instance == null)

{

instance = new Logger();

}

}

}

return instance;

}

public void Log(string message)

{

Console.WriteLine("Log: " + message);

}

}

class Program

{

static void Main(string[] args)

{

Logger logger1 = Logger.GetInstance();

logger1.Log("Started application.");

Logger logger2 = Logger.GetInstance();

logger2.Log("Accessed user module.");

Console.WriteLine("Yes, both instances are same.");

}

}

}

