1. **How do you enforce garbage collection in .NET?**
   * System.GC.Collect();
   * System.GC.Call();
   * System.GC.Clear();
   * System.GC.Invoke();
2. **How do you declare a Finalize destructor in C#?**
   * ~TypeName()
   * !TypeName()
   * $TypeName()
   * void Finalize()
3. **What is an application domain?**
   * Process
   * Thread Local storage
   * Isolated Environment within which CLR based application runs
   * Network domain
4. **How to find methods of a assembly file (not using ILDASM)**
   * Reflection
   * Object Browser
   * Method Explorer
   * Assembly viewer
5. **Why do we need to call CG.SupressFinalize?**
   * Requests that the system to call the finalizer method for the specified object.
   * Requests that the system not call the finalizer and dispose method for the specified object.
   * Requests that the system not call the finalizer method for the specified object.
   * Requests that the system to call the finalizer method for the specified object once.
6. **What’s Singleton activation mode?** 
   * A single object is instantiated regardless of the number of clients accessing it
   * A single object is instantiated  per client connection
   * A single object is instantiated  for each call
   * None of the above
7. **What’s a Dotnet equivalent  process** 
   * Window Process
   * AppDomain
   * Context
8. **What is the use of SOS.dll library** 
   * To take memory  dump of Application
   * To Analyze memory  dump of Any Application
   * To Analyze memory dump of dotnet Application
   * To  Manage memory  of dotnet application
9. **What is the difference between the AutoResetEvent and ManualResetEvent?**
10. **Foreground Thread v/s Background Thread**
11. **Dispose v/s Finalize**
12. **What is the default size of the managed object**
    * 12 bytes
    * 1 byte
    * 4 bytes
    * 20 bytes
13. **How do i prevent concurrent access to critical section**
    * Use lock block
    * Use SyncLock block
    * Use Critical block
14. **Deep Serialization v/s Shallow Serialization.**
15. **Can you access non public members of object using Reflection?**
16. **Suppose one thread has odd numbers like 1, 3, 5 and other thread has even numbers 2, 4, 6. How can you synchronize between them and print the numbers in order?**

using  System;

using System.Threading.Tasks;

    namespace ConsoleApplication1

    {

        class Program

        {

            static void Main(string[] args)

            {

                var t1 = Task.Factory.StartNew(() => PrintOddNumbers());

                var t2 = Task.Factory.StartNew(() => PrintEvenNumbers());

                Task.WaitAny(t1, t2);

                Console.WriteLine("End");

                Console.ReadLine();

            }

            static void PrintOddNumbers()

            {

                int[] arr = new int[] { 1, 3, 5, 7, 9, 11, 13, 15 };

                foreach (var item in arr)

                {

                    Console.WriteLine(item);

                }

            }

            static void PrintEvenNumbers()

            {

                int[] arr = new int[] { 2, 4, 6, 8, 10, 12, 14 };

                foreach (var item in arr)

                {

                    Console.WriteLine(item);

                }

            }

        }

    }

1. **How many types of Generations are there in GC garbage collector?**
2. **How does managed code can Interop with unmanaged code?**
3. **What are the different type of Serialization formatters supported by .Net Framework**
   * Binary Formatter
   * XML Formatter
   * CSV Formatter
   * JSON Formatter
   * SOAP Formatter
4. **What is the significance of MarshalByRefObject Class in .Net Framework ?**