**Singleton Concept in C#:**

using System;

using System.Collections.Generic;

using System.Linq;

using System.Text;

using System.Threading.Tasks;

namespace InterviewQuestions.ExamplePrograms

{

class Singleton

{

public static Singleton obj = null;

private Singleton()

{

//Private Constructor

}

public void Addition(int x,int y)

{

Console.WriteLine("Addition Result :" + (x + y));

}

public void Multiplication(int x,int y)

{

Console.WriteLine("Multiplication Result:" + (x \* y));

}

public static Singleton GetInstance()

{

if(obj==null)

{

obj = new Singleton();

}

return obj;

}

}

}

using InterviewQuestions.ExamplePrograms;

using System;

using System.Collections.Generic;

using System.Linq;

using System.Text;

using System.Threading.Tasks;

namespace InterviewQuestions

{

class Program

{

static void Main(string[] args)

{

Singleton s1 = Singleton.GetInstance();

s1.Addition(10, 20);

s1.Multiplication(12, 9);

Singleton s2 = Singleton.GetInstance();

s2.Addition(100, 20);

s2.Multiplication(12, 19);

Singleton s3 = Singleton.GetInstance();

s3.Addition(200, 20);

s3.Multiplication(120, 9);

Console.ReadLine();

}

}

}

**Goto Statement in C#:**

using InterviewQuestions.ExamplePrograms;

using System;

using System.Collections.Generic;

using System.Linq;

using System.Text;

using System.Threading.Tasks;

namespace InterviewQuestions

{

class Program

{

static void Main(string[] args)

{

int age = 15;

if (age>=18)

{

Console.WriteLine("Eligible for Voting");

}

else

{

goto NotEligible;

}

NotEligible:

Console.WriteLine("Not Eligible for Voting");

Console.ReadLine();

}

}

}

**Jagged Array:**

using InterviewQuestions.ExamplePrograms;

using System;

using System.Collections.Generic;

using System.Linq;

using System.Text;

using System.Threading.Tasks;

namespace InterviewQuestions

{

class Program

{

static void Main(string[] args)

{

int[][] a = new int[2][];

a[0] = new int[]{ 10,20,30};

a[1] = new int[] { 40,50,60,70,80,90};

for(int i=0;i<a.Length;i++)

{

for(int j=0;j<a[i].Length; j++)

{

Console.Write(a[i][j] + " ");

}

Console.WriteLine();

}

Console.Read();

}

}

}

**Destructor in C#:**

using System;

using System.Collections.Generic;

using System.Linq;

using System.Text;

using System.Threading.Tasks;

namespace InterviewQuestions.ExamplePrograms

{

public class Sample

{

public Sample()

{

Console.WriteLine("It is a Constructor Example...");

}

~Sample()

{

Console.WriteLine("It is a Destructor Example...");

Console.ReadLine();

}

}

}

using InterviewQuestions.ExamplePrograms;

using System;

using System.Collections.Generic;

using System.Linq;

using System.Text;

using System.Threading.Tasks;

namespace InterviewQuestions

{

class Program

{

static void Main(string[] args)

{

Sample obj = new Sample();

Sample obj1 = new Sample();

}

}

}

**Static Constructor:**

using System;

using System.Collections.Generic;

using System.Linq;

using System.Text;

using System.Threading.Tasks;

namespace InterviewQuestions.ExamplePrograms

{

public class Sample

{

public static int a;

static Sample()

{

Console.WriteLine("It is a Constructor Example...");

show();

}

public static void show()

{

Console.WriteLine("This is a Show Method Body..");

}

}

}

using InterviewQuestions.ExamplePrograms;

using System;

using System.Collections.Generic;

using System.Linq;

using System.Text;

using System.Threading.Tasks;

namespace InterviewQuestions

{

class Program

{

static void Main(string[] args)

{

Sample.a = 125;

Console.WriteLine("The value of a in Main Method");

Console.ReadLine();

}

}

}

**Structs in C#:**

using System;

using System.Collections.Generic;

using System.Linq;

using System.Text;

using System.Threading.Tasks;

namespace InterviewQuestions.ExamplePrograms

{

**public struct Test**

**{**

**public Test(String name)**

**{**

**Console.WriteLine("Testing the Constructor...");**

**}**

**public void** show()

{

Console.WriteLine("It is show Method Body...");

}

}

}

using InterviewQuestions.ExamplePrograms;

using System;

using System.Collections.Generic;

using System.Linq;

using System.Text;

using System.Threading.Tasks;

namespace InterviewQuestions

{

class Program

{

static void Main(string[] args)

{

Test obj = new Test("DemoUser1");

obj.show();

Console.ReadLine();

}

}

}