Ansa: Factorial of a Number 92 obtained from the Result of multiplying a series of descending Natural Numbers.

3 ways for finding foctorial of a Number (5) + 2 acc. to query

1) Using For Loop!

Using System;
Using System. Collections. Generalic;
Using System. Ling;
Using System. Text;

1/ Necessary Reader files

namespace factorialof5

class program

i static void Main (string[] args)

? Port i , number , fact; (Console. Writeline ("Enter the Number");

number = 9nt. Parse (console. Read Line ());

fact = number;

for (1 = number -1; 1>=1; 1--)

fact = foct * 1;

Console. Write Line ('In Factorial of Given Number is: "+fact);

Console. Readline ();

Your

AND: NAMESPACE: It is designed for providing a way to keep one set of Names seperate from another. The class. Names declared in one namespace does not conflict with the same class names declared in ranother.

Defining a Namespace:

namespace namespace-name {

11 code declarations

Namespace can have following types as its members:

1. Nasted Namespaces - eg: namespace My Namespace

2. Classes

- { namespace Nested Namespace

3. Interfaces

11 Body of Nested Namespace

4. Structures

5. Delegates

eg: Program using NAMERPACE in C#

using System;

namespace first_namespace {

class namespace-cl {

public void func() {

Console. Writeline ("Inside first_space");

John

Θ© ΑΛΔ(Θ):

•	
Managed Code	Unmanaged Coole
1. It is executed by managed runtime environment or managed by the CLR.	1. It is executed directly by the operating exystem.
2. It provides security to the application withen in NET Framework.	security to the application.
3. Memory Buffer overflow doesn't	occur. Suffer overflow may
4. It provides runtime resvices like Garbage Collection. expect exception Handling ek.	A. It doesn't brovide. Runtime services like Garbage collection, exception Handling etc.
5. The source code is complied In the intermediate language klw.as IL or MSil or CIL	5. The source code directly compile into Native Language.
6. It doesn't becould be Low-Level access to the programmer.	6. It provide low-level access to the programmer.

Section-04

60 Ans 60 :

MSIL:

It stands for Microsoft Intermediate Language (MSIL), also k/was Common Intermediate Language (CIL) is a set of instructions that are platform Independent and are generated by the language specific compiler from the source code.

It is platform independent and consequently, it can be executed on any of the Common Language. Infrastructure supported environments such as the Windows NET runtime.

The MSIL & converted anto particular computer environment specific machine code by the JIT comples.

May

Exection process in MSILICIR: C# compiler compiler compiler (metadata)

exe or MSILOTCIL (metadata)

edit file of JI+ compiler

Scanned with CamScanner

· dle 9 · exe extension fflet.

AND: Gabage Collection in C#: When we create any object in C#, CLR (common plants): Gabage Collection in C#: When we create any object in C#, CLR (common plants): language. riuntime) allocates memory for the object from Heap.

This process is repeated for each newly. Dreated object, but there, is a limitation to everything. Memory is not unfinited but there, is a limitation to everything. Memory is not make and Hence, we need to clean some. Space, in order to make

Finally, it manages the allocation and release of memory.

The goverage collector serves as an automatic memory manager.

your to