**Introduction of c sharp programming**

**Language**

*Microsoft introduce a new language is called C# (C sharp)C# is designed to be a simple,modern,general-purpose,oops,borrowing keyconcept from several other language,most notably java.*

*C# was developed by Anders Hejisberg and his team during the development of .net framework.*

*C# is a part of .net framework and currently in version 4.6.2.*

***WE CAN USE C# FOR BUILDING VARIETY OF APPLICATION***

* **WINDOWS APPLICATION:** *using console application or winform application.*
* **MOBILE APPLICATION:** *for phones such as Nokia Lumia but we can use a third party tool or library called “XAMARIN” to create mobile application for ANDROID and IOS as well.*
* **WEB APPLICATION:** *using ASP.NET web forms or ASP.Net MVC.*
* **GAMING APPLICATION:** *Unity*

*Language interoperability is the ability of code to interact with code that is written by using a different programming language.*

**WHAT IS .NET FRAMEWORK**

1. *.Net is a programming framework created by Microsoft that developers can use to create application more easily. A framework is just a bunch of code that the programmer can call without having to write it explicitly.*
2. *It provides controlled programming environment where software can be developed ,installed and executed on windows-based operating system.*
3. *Its basically a collection of libraries.*
4. *It has a number of pre-coded solution that manage the execution of programs written specifically for the framework.*

*5.Microsoft introduced C# as a new programming language to address the problems posed by traditional languages.*