Interview Question:

What is the difference between C sharp and dot net?

C sharp is also just a programming language, but to be more specific, C sharp is an object-oriented programming language which runs on the .Net framework

Dot.Net is a framework C dot.Net framework looks something like this. Here if you see there are many other things and components here in the .Net framework like Common Language Runtime which manages the execution of programs, things like memory management, security checks, extra are done by CLR only.

Then we have framework class libraries which is the collection of classes provided by.Net framework.

For example, you may have used a string class or collection classes.

All those are part of the framework class libraries.

Then we have data access.

Together these two will make the base class libraries.

Then we have we can create different type of projects in dotnet framework web services, web forms,

window forms, web API, etc.

Then Common Language Specification component CLS is used to compile all these languages into some common

assembly.

For example, if the same logic code is written in different languages like C sharp VB.Net, then what

dotnet compiler will do dot net compiler with the help of CLS and CS, will compile the code in the

same common DLL or assembly with no difference.

And finally, at the top of Dot.

Net framework we have our programming languages supported by.

Net framework it can be VB.Net, C plus plus, C sharp or JavaScript.

Now you know C sharp is just a programming language, whereas dot.

Net is a framework for building and running softwares and applications.