**ABSTRACT CLASS IN C#**

The word abstract means a concept or an idea not associated with any specific instance. In programming we apply the same meaning of abstraction by making classes not associated with any specific instance.

The abstraction is done when we need to only inherit from a certain class, but not need to instantiate objects of that class.

In C#, abstraction is achieved using Abstract classes and interfaces.

**Abstract Class:**

* C# Abstract classes are used to declare common characteristics of subclasses.
* A class which contains the abstract keyword in its declaration is known as abstract class.
* It can only be used as a BASE class for other classes that extend the abstract class.
* Abstract classes may or may not contain abstract methods, i.e., methods without body ( public void get(); )
* Like any other class, an abstract class can contain fields that describe the characteristics and methods that describe the actions that a class can perform.
* But, if a class has at least one abstract method, then the class must be declared abstract.
* If a class is declared abstract, it cannot be instantiated.
* To use an abstract class, you have to inherit it from another class, provide implementations to the abstract methods in it.
* If you inherit an abstract class, you have to provide implementations to all the abstract methods in it.
* An abstract class can implement code with non-Abstract methods.
* An Abstract class can have modifiers for methods, properties etc.
* An Abstract class can have constants and fields.
* An abstract class can implement a property.
* An abstract class can have constructors or destructors.

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