

# C# Method Overriding

If derived class defines same method as defined in its base class, it is known as method overriding in C#. It is used to achieve runtime polymorphism. It enables you to provide specific implementation of the method which is already provided by its base class.

To perform method overriding in C#, you need to use **virtual** keyword with base class method and **override** keyword with derived class method.

## C# Method Overriding Example

Let's see a simple example of method overriding in C#. In this example, we are overriding the eat() method by the help of override keyword.

```
using System;

public class Animal{
    public virtual void eat(){
        Console.WriteLine("Eating...");
    }
}

public class Dog: Animal
{
    public override void eat()
    {
        Console.WriteLine("Eating bread...");
    }
}

public class TestOverriding
{
    public static void Main()
    {
        Dog d = new Dog();
        d.eat();
    }
}
```

Output:

```
Eating bread...
```