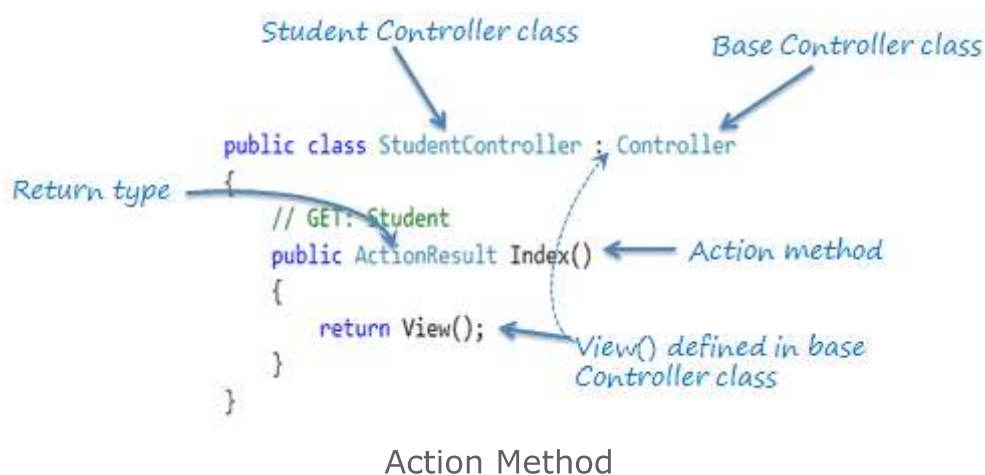# Action method

In this section, you will learn about the action method of the controller class.

All the public methods of the `Controller` class are called `Action` methods. They are like any other normal methods with the following restrictions:

1. Action method must be public. It cannot be private or protected
2. Action method cannot be overloaded
3. Action method cannot be a static method.

The following illustrates the `Index()` action method in the `StudentController` class.

Action Method

As you can see in the above figure, the `Index()` method is public, and it returns the `ActionResult` using the `View()` method. The `View()` method is defined in the `Controller` base class, which returns the appropriate `ActionResult`.

Default Action Method

Every controller can have a default action method as per the configured route in the `RouteConfig` class. By default, the `Index()` method is a default action method for any controller, as per configured default root, as shown below.

Default Route	Copy

```
routes.MapRoute(
    name: "Default",
    url: "{controller}/{action}/{id}/{name}",
    defaults: new { controller = "Home",
                    action = "Index",
                    id = UrlParameter.Optional
          });
```

However, you can change the default action name as per your requirement in the `RouteConfig` class.