Inheritance

**// a regular class called Person**

**public class Sports**

**{**

**public string GetType()**

**{**

**return "individual";**

**}**

**}**

**// a class that inherits from Person**

**public class Running: Sports**

**{**

**public string GetPlace()**

**{**

**return "Outdoor";**

**}**

**}**

In programming is the ability to use attributes from one class in another different one, and those attributes can be used in several classes, those classes inheriting the classes from the base one. Consider two classes one is called sport and running, all the sports share similar attributes, and running would inherit some attributes from sports, in this case, Sports would be the BASE class and Running is the derived or subclass. Inheritance is very beneficial in some large codes in terms of avoiding overlaps.