**What are static and non-static methods?**

**Static Methods:**

* Static methods are associated with the class rather than with an instance of the class. They can be called using the class name itself without creating an object.
* Static methods are declared using the static keyword.
* They can only directly access other static members (variables or methods) of the class.

**Non-Static (Instance) Methods:**

* Non-static methods are associated with an instance of the class. They require an object of the class to be called and can access both static and non-static members.
* Non-static methods are declared without the static keyword.
* They can access all the fields and methods of the class, both static and instance-specific.