

Constructor & Destructor

Constructor

- Constructors are used when instantiating a class (هنگام نمونه سازی فراخوانی می شود).
- نام آن با نام کلاس همسان است
- Constructor can have access modifiers
- Constructor can have parameter(s).
- Constructors can be multiple in a class
- Constructor gets automatically invoked whenever an instance of the class is created
- Constructors can be divided into 5 types
 - ✓ Default Constructor (Parameter Less Constructor)
 - ✓ Parameterized Constructor
 - ✓ Copy Constructor
 - ✓ Static Constructor
 - ✓ Private Constructor

Destructor

- Destructors are used to clean up resources used by the object
- It is a special method of the class that is invoked when a class object goes out of scope.
- Destructor name is same as class name
- Destructor can't have access modifiers
- Destructor can't have parameter(s)
- Destructor can't have different types
- Destructors can't be multiple in a class. A Destructor is unique to its class.
- Destructors are invoked automatically, and cannot be invoked explicitly. Execution of the destructor for the instance may occur at any time after the instance becomes eligible for destruction.