Wrapper Class

What is Wrapper Class?

In Java, a wrapper class is designed to encapsulate the functionality of a primitive data type within an object. The primitive data types, such as int, char, float, and double, lack object-oriented characteristics. Wrapper classes address this by enabling the treatment of these primitives as objects.

Primitive Data Type	Wrapper Class
char	Character
byte	Byte
short	Short
long	Integer
float	Float
double	Double
boolean	Boolean

The key advantages of utilizing wrapper classes encompass:

Object-oriented compatibility: Wrapper classes facilitate the incorporation of primitive data types in scenarios that necessitate objects. This is especially valuable in Java collections, which exclusively handle objects.

Nullability: Wrapper classes possess the capability to represent null values, a feature absent in primitive data types. This proves beneficial when handling situations that require the representation of the absence of a value.

Methods and utilities: Wrapper classes supply methods and utility functionalities that prove advantageous in specific contexts. For instance, the Integer class furnishes methods for converting integers to strings, parsing strings into integers, and more.