What is null?

null is a special keyword in Java, meaning, the variable or attribute has a type but no reference to an object.

This means that no instance or object is assigned to the variable or field.

Fields with primitive data types are never null.

Default values for fields on classes

Fields on classes are assigned default values automatically by Java, if you don't assign values yourself.

Data type	Default value assigned
boolean	false
byte short int long char	0
double float	0.0

What are getters and setters? Why should we use them?

What are getters and setters?

A getter is a method on a class that retrieves the value of a private field and returns it.

A setter is a method on a class that sets the value of a private field.

The purpose of these methods is to control and protect access to private fields.