However, as we try to access a private variable, we get an error:

Instead, we use the getName() and setName() methods to access and update the variable:

**Why Encapsulation?**

* Better control of class attributes and methods
* Class attributes can be made **read-only** (if you only use the get method), or **write-only** (if you only use the set method)
* Flexible: the programmer can change one part of the code without affecting other parts
* Increased security of data