

Everything in Java is either:

**Instance Variable**  
**Instance Method**  
**Class Variable**  
**Class Method**

- Instance or Class (static)
- Variable (field) or Method

<b>Instance (object):</b>	<b>Class (static):</b>
Only exist in instances/objects of class	Only exist once as part of class
Called with variable (first letter lowercase)	Called with class name (first letter uppercase)
Variables initialized through a constructor	Fields initialized when declared or in a static method
Methods can directly access instance and class variables and methods	Methods can only directly access other class variables and methods. Must be told an object to access an instance method or variables

The Class (only 1):  
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 When running, contains:  
 -Class Variables  
 -Class Methods

*When coding, defines:*  
*-what is in an object (instance variables and methods)*  
*-what is static(class variables and methods)*

An object:  
 -----  
 -only exist after being created with constructor when running.

Each Contains:  
 -Instance Variables  
 -Instance Methods

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