<https://www.geeksforgeeks.org/inner-class-java/>

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| Inner class in java | Inner class means one class which is a member of another class. There are basically four types of inner classes in java.  1) Nested Inner class  2) Method Local inner classes  3) Anonymous inner classes  4) Static nested classes |
| **Nested Inner** | Nested Inner class can access any private instance variable of outer class. Like any other instance variable, we can have access modifier private, protected, public and default modifier.  Like class, interface can also be nested and can have access specifiers. |
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|  | As a side note, we can’t have static method in a nested inner class because an inner class is implicitly associated with an object of its outer class so it cannot define any static method for itself. |
| **Method Local inner classes** | Inside outerMethod  Inside innerMethod  Local inner class cannot access non-final local variable till JDK 1.7. Since JDK 1.8, it is possible to access the **non-final local variable** in method local inner class. |
| **Static nested classes** | Static nested classes are not technically an inner class. They are like a **static member** of outer class.    inside inner class Method  inside outerMethod |
| **Anonymous inner classes** | Runnable interface |
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