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Restricted Constructor Access :

Agenda :

1. Non Public Constructor Invocation
2. Example : Server Configuration using Reflection.

* Since Private Constructors can't be called outside the Java Class, You can't instantiate an object using it.

```
Class Restricted {
    private Restricted (){
    }   ---
}
```

⟹ Restricted obj = new Restricted()

(will throw Compilation Error)

* But using Reflection, we can access this private Constructor outside the Class too. and thus Can instantiate its object using this private constructor. (or any Constructor
  ↳ protected
  ↳ default too

* After getting the restricted Constructor using Reflection, we can call the 'Constructors. newInstance (args)' method to get its object.

* Exception : A class belonging to diffrent Java module and doesnot provide/allow access to given class

② Syntax:

Imp ✓

```
Constructor<?> privateConst = Restricted.class.getDeclaredConstructor();
privateConst.setAccessable(true); // Imp to do, to access any private member
                                            using Reflection.
privateConst.newInstance();
```

Example: To instantiate a Server Config Object via our library code only.

[Code in Reflection3.java].