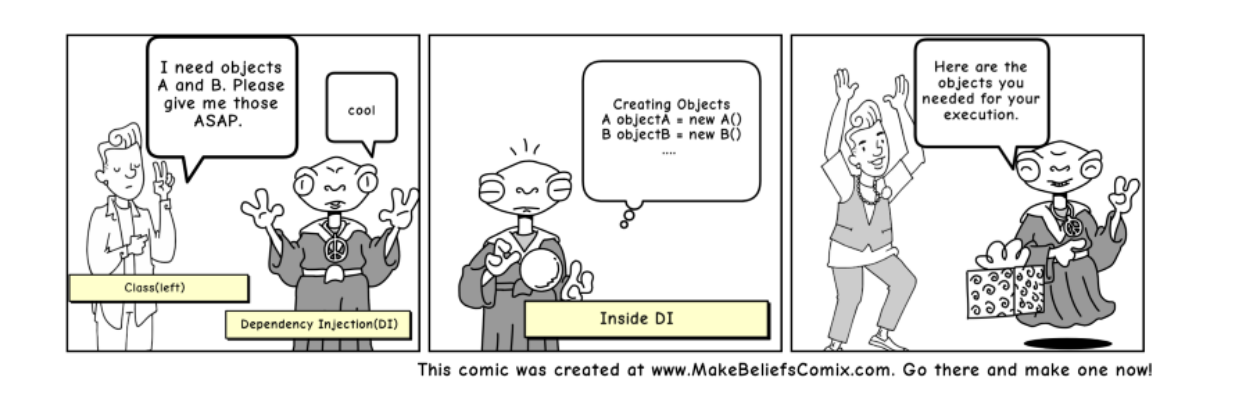
**Dependency Injection**

Dependency or dependent means relying on something for support. Like if I say we are relying too much on mobile phones than it means we are dependent on them.

When class A uses some functionality of class B, then its said that class A has a dependency of class B.

**So, transferring the task of creating the object to someone else and directly using the dependency is called dependency injection.**



In programming suppose we have twenty classes and they are required to use a method from one class. So each class can instantiate the required class. Let one class that is providing method is changed and that class exactly the provide same method with different logic so we have to use that method for that we have to provide that class instead of old one now we have to replace name in each class.

So to overcome that we can create dependency injection in class constructor and provide the class instance to it. So we can instantiate that class once and then provide its object to all place where we use twenty classes.