Introduction:

A screenshot of a social media post

Description generated with very high confidence

**Prerequisites:**

1. **class.forname(“ <input>”):**

* prototype: public static Class forName(String class\_name) throws ClassNotFoundException
* It will load class byte code to the memory without creating object for the respective class.
* Class c = Class.forName("com.require.forNameClass");
* JVM will check for path in current directory, java libraries and location provided by classPath variable, if not found JVM will throw classCastException.
* So here JVM loads forNameClass byte code to the memory and then JVM every takes every details of that class and that information is stores as java.lang.Class object in heap memory.then reference variable is stored in Class variable c.

1. **newInstance():**

* prototyoe: public Object newInstance() throws InstantiationException, IllegalAccessException
* It able to create an object for the loaded class.
* Object obj = c.newInstance();
* JVM will check for loaded class and in that it checks for Zero argument public constructor and creates object using it.