**Loading Hibernate Configuration File:**

**The org.hibernate.cfg.Configuration is Used to build an immutable org.hibernate.SessionFactory. The mappings are compiled from various XML mapping files. The org.hibernate.cfg.Configuration is used to build an immutable org.hibernate.SessionFactory.**

* **“**org.hibernate.cfg.Configuration**” is a concrete class present in Hibernate which has a non-static method by name “**configure**()” which helps us to load the Hibernate Configuration File**
* This Class has various overloaded version of configure() method. Which helps us to load the Hibernate Configuration File in different ways

Following are the different ways to load the hibernate configuration file:

**1st Way:**

**public** Configuration configure() **throws** HibernateException

* This method looks for the configuration file with the default name “hibernate.cfg.xml” under default path i.e. under src folder (class path)
* If the configuration file has the different name other than “hibernate.cfg.xml” then this method throws an exception
* If the configuration file has “hibernate.cfg.xml” as file name but if it present somewhere other than class path (within the sub-directories of src folder or may be outside of project) then this method throws an exception

Configuration config = **new** Configuration();

config.configure();

**2ndWay:**

**public** Configuration configure(String resource) **throws** HibernateException

* This method will look out for the Configuration File with the specified name under src i.e. either directly under src or under subdirectories of src

Configuration config = **new** Configuration();

config.configure("any\_name.xml");

OR

config.configure("com/pkg/any\_name.xml");

**3rdWay:**

**public** Configuration configure(File configFile) **throws** HibernateException

* This method will look out for the Configuration File with the specified file path i.e. outside of the project.

Configuration config = **new** Configuration();

java.io.File configFileLocation =

**new** java.io.File("E:\\j2ee\\any\_name.xml");

config.configure(configFileLocation);

**4thWay:**

**public** Configuration configure(URL url) **throws** HibernateException

* + This method will look out for the Configuration File present in web server i.e. anywhere in the world

Configuration config = **new** Configuration();

java.net.URL configUrl

= **new** java.net.URL("http://localhost:8080/WebApp/any\_name.cfg.xml");

config.configure(configUrl);

**5thWay:**

**public** Configuration configure(org.w3c.dom.Document document)

**throws** HibernateException