```
Application class loader is responsible to load the user-defined .class file into JVM Memory :
class Test
                  ver Test.class file will be loaded into JVM memory then it will return java.lang.Class class
            rest.class .getClassLoader();
java.lang.Class ClassLoader
 class Hello
{
}
public class Test
        public static void main(String[] args) {
System out, printin(*Hello.class file is loaded by '*+Hello.class.getClassLoader());

java.lang.Class
java.lang.ClassLoader
          Hello.class.getClassLoader().getParent();
                        java.lang.ClassLoader
               public ClassLoader getClassLoader();
               public ClassLoader getParent();
 * Linking phase contains 3 modules :
     a) Verify
b) Prepare
c) Resolve
Verify:
Verny:

It ensures the correctness of .class file.

1.794 has a component called ByteCodeVerifier.

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1.794 has a component called the program execution for any illegal activity by throwing a Runtime error i.e. java.lang.lverifyeror

1.794 val.ang.l.ningeror is the super class for java.lang.VerifyError
  Prepare [Static Data member memory allocation + Initialized by default value]
 public class Test
{
                                                                                    With the help of class loader we are going to load Test.class file :
    tabli int x = 100;

int y = 200;

int y = 200;

when Test class file is being loaded into the JVM memory then in the Prepare phase static Test t; = new Test();

Scanner sc = new Scanner(System.in);

to search all the static data member only.
                                                                                     We have 2 static data member i.e x and t1
    {
//NSB
}
                                                                                    we have x static data member is x and t1 so first of all memory will be allocated for x (4 bytes) and t1 (4 GR 8 bytes depends upon XM Implementation on a particular 0.5) x = 0; default value 11 - null; default value 11 - null; default value will be done in the prepare phase
 static
{
//SB
}
```