I have a very little experience on java and this blog is meant to be my future personal reference. so if you are still reading this blog for a in-depth concept on these topics; better you look elsewhere.

Ok, till now it was totally clumsy to me that what the heck is **CLASSPATH** and what is the relationship between **CLASSPATH** and packages. Now I guess I have a little understanding on it.

CLASSPATH: Java **CLASSPATH** is the PATH or location or directory where java run-time system looks for **CLASSES** or **PACKAGES**, where classes are located.

Packages: Packages may be compared to **folders** where different **class** files are located. To indicate that a **class** file belongs to that package we need to write the following statement at the beginning of that file:

package pkg;

To **import** a **package** we need to write:

import pkg1.pkg2.classname;

Example
Now let's see an example. Open the command prompt and set the **CLASSPATH** to

C:>set CLASSPATH=.;C:;

by this statement we are telling the JRE to look for clases in the **C:** directory and its subdirectory. Now create two files in following directories:

1.C:onePackOne.java
2.C:twoPackTwo.java

****Code for One.java****

```
<strong>package onePack;
import twoPack.Two;</strong>
class One{
public static void main(String args[])
{
Two two = new Two(2);
```

```
two.show();
}
}
```

****Code for Two.java****

```
<strong>package twoPack;</strong>
public class Two{
private int b;
public Two(int a)
{
b = a + 10;
}
public void show()
{
System.out.println(b);
}
}
```

These two statements binds each class to the specified **Package:**

```
package onePack;
package twoPack;
```

Also note the use of **import**. It tells **One** to use the **Two class file** from **twoPack** package. Here **CLASSPATH** plays the role to where from start searching for classes.

After compiling the source files type the following code:

C:>java onePack.One

This is needed to do so because now **One** belong to **package onePack** and this is its **fully-qualified class name**.

CHANGING THE CLASSPATH:

By changing the **CLASSPATH** we can put our **packages** in any directory and **import** them as we like.

Let us put **twoPack** folder in **D:** directory. Now we need to change our **CLASSPATH** as

C:>set CLASSPATH=.;C:;D:;

Recompile **One** to let it know the new location of **Two.class** file. Now type the command:

C:>java onePack.one

Hope it runs successfully. Hence we imported our needed class **twoPack.Two** from a different directory and used it.