**Packages-**

Package is nothing but collection of classes and interface that’s works together called as packages.

Java.lang is default package in java. We can create our custom packages(user defined packages) also.

**Why?**

Suppose imagine, if you have large number of files in your project that is deployed on server, now the code is released on production server. There are bugs in specific files then how you can reach to that file without packages is very difficult. If you have packages then it will get very easy to go specific folder and found that file. That’s why packages comes into picture.

**Advantages**

Reusability- we can place the common code into one folder and reuse it.

Maintenance- if any new developer/tester joined your company then it will be easy to find the file which they needed

**Syntax-**

com.wipro.jpmorgan.insurance.policy.education

Here,

Package are generally starts with com folder.

wipro is your company name.

jpmorgan is your client name.

insurance is your project name.

policy is your module name.

education is your sub-module name.

Note- All alphabets are starts with small case letters only.

**import-**

When we use one class within another class in different packages then go for import statement.

Example- suppose we have two different classes Test & Example in different packages.

**package** com.velocity;

**public** **class** Test {

//method or variable

**public** **void** m1() {

System.***out***.println("this is the m1 method");

}

}

**package** com.wipro.jpmorgan;

**public** **class** Example {

**public** **static** **void** main(String[] args) {

Test test= **new** Test();

}

}

In the test class, we are calling the method of test class, so we need to use the import statement here. Otherwise it will give compile time error

To resolve this issue, we need to import the highlighted line that is Import **import** ’Test’(com.velocity) by just clicking on it.

Different ways for import-

**import** com.velocity.Test; //correct

**import** com.velocity.\*; //correct- it will import the all the classes.

**import** com.velocity; //wrong