# **Package**

**What is a package?**

Package is a collection of related classes and interfaces. package declaration should be first statement in a java class.

**Explain the importance of import keyword in java?**

Import keyword is used to import single class or package in to our source file.import statement is declared after package declaration.

We use wild character (\*) to import package.

Note: After compilation the compiled code does not contain import statement it will be replaced with fully qualified class names

**Which package is imported by default?**

java.lang package is imported by default even without a package declaration.

**What restrictions are placed on the location of a package statement within a source code file?**

A package statement must appear as the first line in a source code file (excluding blank lines and comments).

**Can we have more than one package statement in source file?**

We can’t have more than one package statement in source file. In any java program there can be atmost only 1 package statement. We will get compilation error if we have more than one package statement in source file.

**Can we define package statement after import statement in java?**

We can’t define package statement after import statement in java. package statement must be the first statement in source file. We can have comments before the package statement.

**Explain naming conventions for packages?**

Sun defined standard naming conventions for packages.

1) Package names should be in small letters.

2) Package name starts with reverse company domain name (excluding www) followed by department and project name and then the name of package.

Example : com.google.sales.employees