Basics

1) Why we use import statement in java?

a ) The **import statement in Java** allows to refer to classes which are declared in other packages to be accessed without referring to the full package name

**1. java.lang:** This package got primary classes and interfaces essential for Java program. It consists of wrapper classes (wrapper classes can be used to convert ordinary data into objects), Strings, Threads etc.

**2. java.util:** This package contains useful classes and interfaces like Stack, LinkedList, Arrays, ArrayList, List etc...

**3. java.io:** This package handles files and input output related tasks.

**4. java.awt:** This package helps to develop GUI. It consists of an important sub package java.awt.event to handle the events for GUI elements.

**5. java.swing:** This package helps to develop GUI like java.awt. In fact, this an extension to java.awt.

**6. java.net:** Client - server programming can be done using this package. This is a very important package to develop any web program like web browse or web server.

**7. java.applet:** Applets are programs which come from a server into a client and get executed on the client machine. This package was very well known to everyone before the development of servlets.

**8. java.sql:** This package helps us to connect to database like Oracle.

3) What is a package? What are the advantages of using packages?

Packages are used in Java in order to prevent naming conflicts, to control access, to make searching/locating and usage of classes, interfaces, enumerations and annotations easier, etc.

A **Package** can be defined as a grouping of related types (classes, interfaces, enumerations and annotations) providing access protection and namespace management.

**Public** : is an [Access Modifier](http://javabeginnerstutorial.com/core-java-tutorial/access-modifier-in-java/), which defines who can access this Method. Public means that this Method will be accessible by any Class(If other Classes are able to access this Class.).

**Static :** is a keyword which identifies the class related thing. This means the given Method or variable is not instance related but Class related. It can be accessed without creating the instance of a Class.

**Void :** is used to define the Return Type of the Method. It defines what the method can return. Void means the Method will not return any value.

**main:** is the **n**ame of the Method**.** This Method name is searched by JVM as a starting point for an application with a particular signature only.

**String args[] :** is the parameter to the main Method.