Packages in java: ----collection of .class files

Package in Java is a mechanism to encapsulate a group of

classes, sub packages and interfaces.

Folders ---english

Maths

Social

Chemistry

Online shopping website

Product

Customer

Order

Cart

Payment

Services classes

Repository classes

Exception classes

Packages are used for:

Preventing naming conflicts.

For example there can be two classes with name Employee in

two packages, college.staff.cse.Employee

and college.staff.ee.Employee

Making searching/locating and usage of classes, interfaces,

enumerations and annotations easier

Providing controlled access: protected and default have package

level access control. A protected member is accessible by

classes in the same package and its subclasses.

A default member (without any access specifier) is accessible

by classes in the same package only.

Packages can be considered as data encapsulation

(or data-hiding).

To separate the .class file and .java file ---end of project --.class files with client

.java files ---source code

We can import collection of classes from one package to another package at one go…instead of using many import statements …

Import package.\*;

Two types of packages:

Predefined packages-----ex. java.lang---contains .class files interfaces

String

java.util

java.io

java.sql

UserDefined packages :