V ENCAPSVIATIONI Java Package: P is a group of similar types of classes, interfaces and sub-packages. P P built-in (lang, util, auxt (te) F Vser-defined (package abhi;) F > Advantages > Java package is used to categorize the clauses and interfaces, so they can be easily maintained. > provides access protection > removes naming collision. >tron to compile package in javajavac -d directory javafilename javac -d javafilename s represents current folder. is a switch specifier the destination where to put the generated class fire.

> Ways to access the package from outside the package —

> import package. *;

then all the classes and interfaces of
this package will be accessible but
not subpackages.

> Using package. classname

then atily declared class of this package will be accessible.

> Using fully qualified name

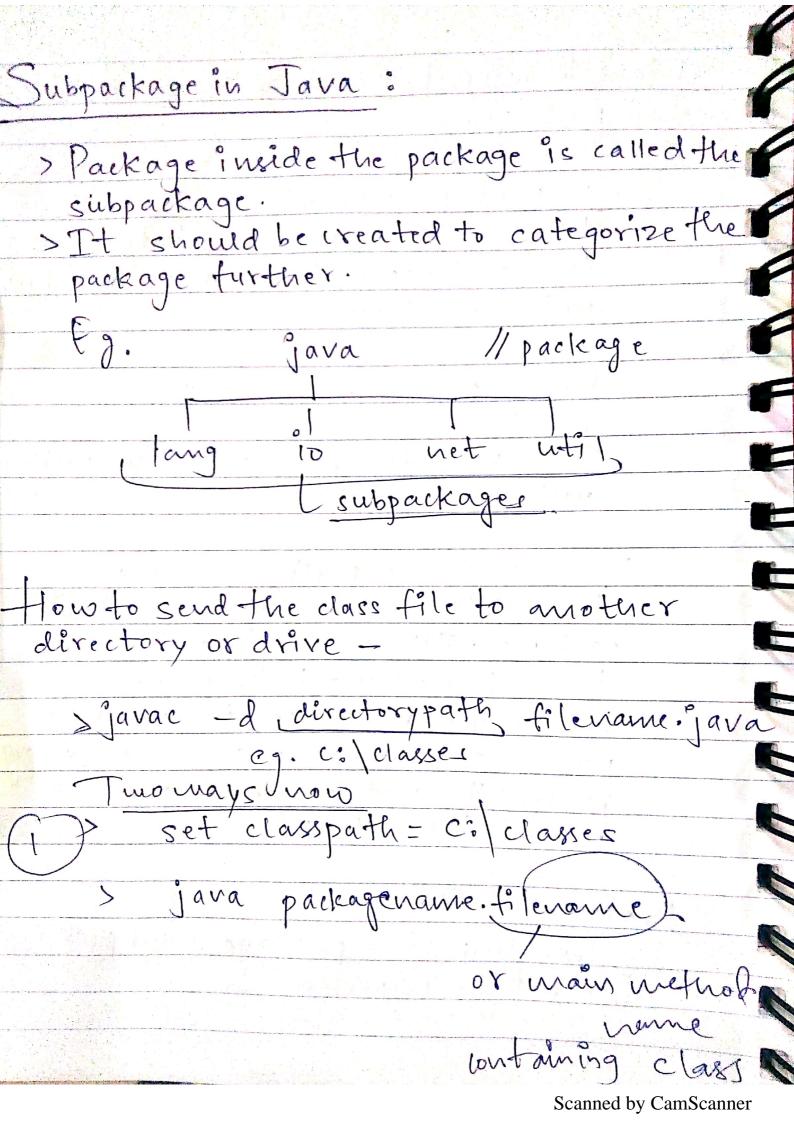
- then only declared class of this package will be accessible.

- there is no need to import.

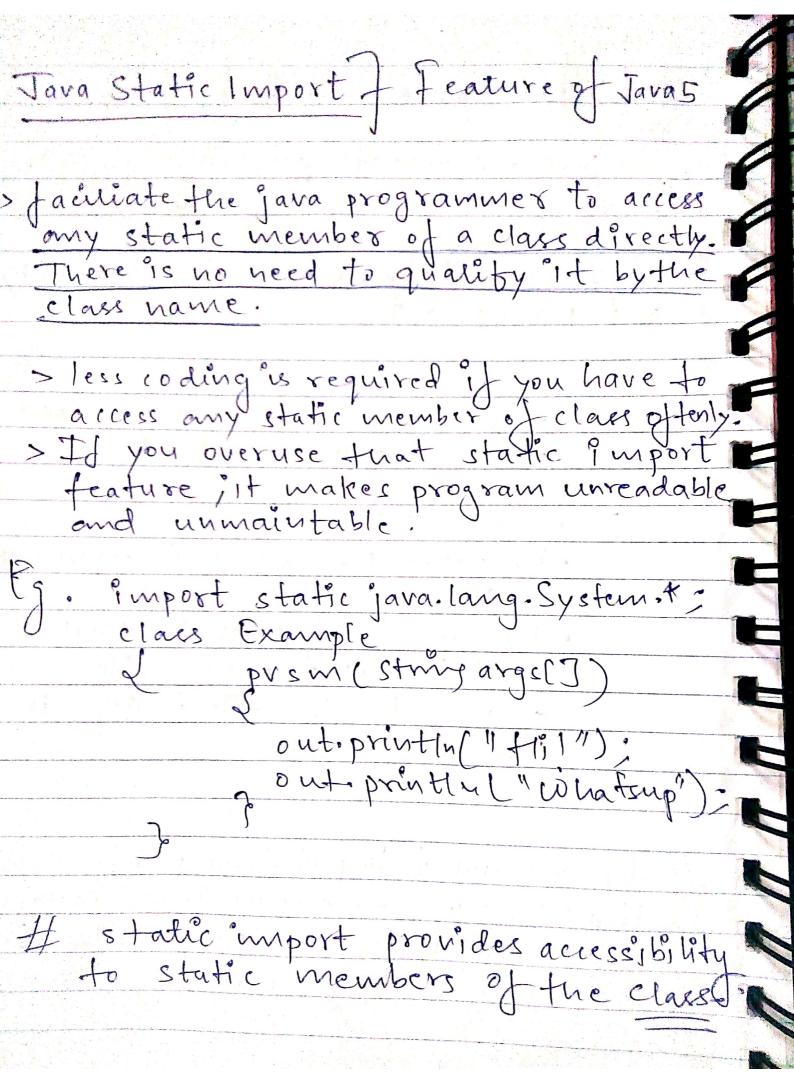
- It is generally used when two packages have same class name eg java. util and java. sql packages contain Blate class.

Note:

If you import a package, subpackages will not be imported.



(2) > by -classpath switch of java Java - classpath c: classes, pack. Simple > Ways to load the class files temporary and permament, > lemporary · By setting the classpath in and · By - Classpath switch Vermament · By setting the classpath in environment · By creating fine jar file, that contains all the class files, and copying the gar file in the jre/
lib/ext folder. If you mant to put tuno public classes in a package, have tuno java source files containing one public class, but keep the package name same.



Access-Modifiere in Java:-Modifiers -access modifiers nou-access modifiers - they provide specifies the accessibility information about method, constructor, the behavious to the JVM. or class. - static, final, default, private, abstract, transient, protected public volatile, native; synchronized. :-access level is only within the .) private - cannot be accessed from outside the class. - any other class of same package will not be able to access these members. - access level is only within

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Default:

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package.
cannot be accessed from

> If your not specify any access modifier. it will be default. > Protected: - access level of a protected modifier is mithin fre package and outside the package through child (19350 It you not make child class it cannot be accessed from outside the package. > public: - acress level us everywhere » Java Access Modifiers mith Method Overriding: # If you are overriding any method, overridden method (i.e declared in subclass) must not be more restrictive. class A protected void msg() {

SOPu ("Hello Abhu")?

