

Questions.

- 1) Write the differences btw Nested classes and Inner classes with minimum 5 differences?
- 2) List the advantages of packages.
- 3) List any 10 classes or interfaces of java.io package.

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Nested classes	Inner classes
<p>It is possible to define a class within another class; such classes are known as nested classes.</p> <p>Nested classes are 2 types: static & non-static</p> <p>A nested class has access to the members, including private members, of the class in which it is nested.</p> <p>The scope is bounded by the scope of its enclosing class</p> <p><u>Prgrm:</u></p> <pre>class student { String name; int rollno; } dob DOB; class dob { int dd,mm,yy; }</pre>	<p>The most important type of nested class is the inner class.</p> <p>An inner class is a non static nested class</p> <p>Inner class has access to all the variables and methods of its outer class.</p> <p>The scope is within the class outer.</p> <p><u>Prgrm :</u></p> <pre>class student { int rollno; String name; class dob { int dd,mm,yy; } DOB;</pre>

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- 1) File
- 2) File output stream
- 3) File Input stream
- 4) File Reader
- 5) File writer
- 6) Data Input stream
- 7) Data Output stream
- 8) Buffered Reader, Buffer I/P stream
- 9) Buffered writer, Buffered O/P stream
- 10) console

② The advantages of Packages :

- 1) Similar classes are grouped based on their concept.
- 2) Same name of classes can be created in multiple packages.
- 3) The accessing of classes becomes easy by importing the complete package at-a-time.