

1) Write the differences b/w Nested classes & inner classes with minimum 5 differences.

2) List the advantages of packages &

3) List any <sup>10</sup> classes or interfaces of java.io package

4) Pg - 157

Nested Class	Inner Class
<p>i) To define a class within another class is called Nested Class</p> <p>ii) Two types of nested class                      i) static                      ii) Non static</p> <p>iii) It cannot refer to members of its enclosing class directly</p> <p>iv) public class Demo</p> <pre> {     static int x=10;     p.s. class static nested     {         public void display()         {             s.o.pln("value of x" + x);         }     } } </pre>	<p>i) An inner class is a non static nested class.</p> <p>ii) No static keyword is used</p> <p>iii) An inner class is fully within the scope of its enclosing class.</p> <p>iv) public class Demo</p> <pre> {     private int x=10;     class Inner     {         void display()         {             s.o.pln("value of x" + x);         }     } } </pre>



## 2) Advantages of Packages Pg-206

i) Same <sup>name of</sup> class can be created in multiple packages

ii) Similar classes are grouped based on their functionality

iii) Reduces multiple lines in a code

iv) A package can be accessed in any programs

v) Packages act as containers for classes & other subordinate packages.

vi) Accessing of classes will become easy by importing the complete package at a time.

## 3) Pg-680

Buffered Input Stream

BufferedReader

Buffered Writer

CharArray Reader

CharArray Writer

Console

DataInputStream

DataOutputStream

File

FileInputStream

FileOutputStream

FilePermission

95  
97