

(Q1) Write the differences b/w nested classes & Inner class with minimum 5 diff.

(Q2) List the advantages of packages.

(Q3) List any ten classes/interfaces of java.io package.

(3A) Available classes/Interfaces of java.io package :-

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- File
- FileReader
- BufferedReader
- FileNotFoundException
- IOException
- FileWriter
- PrintWriter
- FileInputStream
- DataInputStream
- BufferWriter

(Q4) Advantages of packages:

- similar classes are grouped based on their concept
- Accessing of class becomes easy by importing the package at a time
- same named classes can be created in multiple packages.
- Reduces the number of lines
- flexibility of using one class in another by importing it.

(1A)

Nested class

- A class within another class
- It cannot refer to members of its enclosing class directly
- static keyword is used.

Inner class

- It is a non-static nested class
- It has access to all the variables/methods within the scope of its enclosing class.
- static keyword is not used.