Questions

① Write the differences b/w Nested classes and Inner classes with minimum 5 differences.

② List the Advantages of packages..

③ List any 10 classes con interfaces of java.io package.

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①

Nested classes	Inner classes
1) It is possible to define a class within another class; Such classes are known as nested classes.	1) The most important type of nested class is the inner class.
2) A nested class has access to the members, including private members, of the class in which it is nested	2) Inner class has access to all of the variables and methods of its outer class.
3) Nested classes are of two types: Static and non-Static	3) An inner class is a non-static nested class.
4) The scope is bounded by the scope of its enclosing class	4) The scope is within the class outer.

prog

```
class student {
   int no;
   String name;
   dob DOB;
}
class dob {
   int dd, mm, yy;
}
```

prog

```
class student {
   int no;
   String name;
   class dob {
      int dd, mm, yy;
   } DOB;
```

③. 1) Console
   2) File
   3) Data Input stream
   4) Data output stream
   5) File Reader
   6) File writer
   7) Buffered Reader, Buffered I/p stream
   8) Buffered writer, Buffered o/p Stream.
   9) File Input stream
   10) File output stream

②① Same name of classes can be created in multiple packages.

② Similar classes are grouped based on their Concept.

③ The accessing of classes becomes easy by importing the complete package at a time.