20/9/25
Saturday

JAVA TEST

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

2Q) List the advantages of packages

3Q) List any 10 classes or interfaces of java-io package

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Nested Classes	Inner Classes
It is possible to define a class within another class; such classes are known as nested classes	The class named Outer has one instance variable named outer-n, & defines one inner class called Inner
2. A nested class has access to the members, including private members, of the class	2. Inner class has access to all of the variables & methods of its outer class
3. Nested classes are of 2 types: static & non-static	3. An inner class is a non-static nested class
4. The scope is bounded by the scope of it's enclosing class	4. The scope is within the class outer

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

3A) • Buffered Input Stream
   • FileWriter
   • Console
   • File
   • File Reader
   • Reader
   • Writer
   • Print Writer
   • Output Stream
   • Filter Writer
   • FilterReader

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2A) Advantages of Packages:
   • Same name of classes can be created
     in multiple packages

- Similar classes are grouped based on their concept

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