QSCU Final review session

COSC121

**Try with resources:**

Try (FileInputStream fis = new FileInputStream(new File(“LOL.dat”)) )

**DATA STRUCTURE:**

Collection of data organized in some fashion. Eg. ArrayList() and LinkedList()

ArrayList():

- Uses arrays of objects

- Good for adding stuff at the end of an array.

- If you know the index, you can just straight to the index. However, you don’t add or remove

LinkedList():

- Uses nodes

- Good for adding beginning of the list

- Must go through every element

- Good for removing and adding

**Autoboxing:** Changing “int”(Primitive) to “Integer”(Wrapper class)

**Collections.sort(List list);**

**Collections.sort(List list, Comaprator c);**

**Iterator:** Repeats itself until base case. (eg. For Loop)

**Recursion:** Looks better than iterator usually. Tower of Hanoi

- Tail recursion finishes when it runs out of numbers. Eg.(return n + recursion(n -1))

- Non-tail recursion Goes back on to it’s self. eg. (return recursion(n-1, currentSum + n);

**Helper Methods:**

**Lambda:** [Interface name] name = (parameters a, parameter b) -> a+b;