INTERVIEW with Kate:

reoccuring mistakes:
- compile, but forgot to run
- hit run first before compiling

Easy Tasks:
introduce eclipse, setup has been done.
explain some stuff user needs to know: int, double, boolean, String
show demos, explain compiling and running code
1) print a sentence
   was able to follow demo to print out desired output
2) print a concatenated sentence
public final class HelloWorld {
   public static void main(String args[])
   {
      String name = "John";
      int age = 20;
      double asset = 5000.00;
      boolean rich = true;
      System.out.println(/*concatenate*/);
   }
}

Observation:
    fumbling around a lot with syntax - eclipse helps.
don't know how to add space in between words.

Medium Tasks:
DEMO: show them how to print numbers 0-9
   for (int i = 0; i < 10; i = i+1) {
      System.out.println(i);
   }
   -- Had trouble understanding why the console only prints from 0-9 when the loop goes to 10
      explain how "i" increased.
- asked user to print multiplication of 5 from 5 to 50.
observation:
- fumbling a lot with the steping
   - forgot to increment - infinite loop - not aware because there's no message on screen
   - when told to stop the program, tried to exit eclipse instead of hitting the stop button
   - set i = i+4 instead of i=i+5
-user forgot about the "upperbound" and set it to 50, which wouldn't show in the console when executed
-when trying to correct the code, user increased the upperbound in increment of 5 - change 50 to 55

Difficult Tasks:
DEMO: show user half of pyramid, asked them to do the other half
Observation: LOTS of confusion. copied and pasted code for later half, did some weird thing with counting backwards - try to increase by 1 but in the negative direction
--forgot to step again
--had trouble with nested loop

Recursion:
a brief introduction to method call
Demo:
   public static void say(String s, int i) {
       System.out.println(s + i);
       if (i < 5) 
           say(s, i +1);
   }
Observation:
has lots of trouble with understanding the concept.
don't understand why pass in 0 when goal is to print 5 times
thought it was really odd how a method can call itself inside itself. cannot visualize it
was able to follow example by changing the input parameters
cannot write a recursive function