

## INTERVIEW with Kate:

reoccurring 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(/*concatinate*/);  
    }  
}
```

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 stepping

- 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