

Lab 2 Challenge

- Challenge 1: Given a number bigger than one-hundred, set the two lowest digits to zero. Without using strings. Hint: Using rounding.

- Challenge 2: Write a VERY VERY simple python to Java compiler.

Read in a program like

```
x = 5
y = 10
z = x + y * 3
print z
```

And write out a Java program:

```
public class Main {
    public static void main(String[] args) {
        int x = 5;
        int y = 10;
        int z = x + y *3;
        System.out.println(z);
    }
}
```

- Challenge 3: Do some hard codingbat problems

Any codingbat java problem that looks interesting: <http://codingbat.com/java>

Strings without loops:

Substring: <http://codingbat.com/prob/p190570>

Substring: <http://codingbat.com/prob/p115863>

Substring: <http://codingbat.com/prob/p172267>

Substring: <http://codingbat.com/prob/p110141>

Substring: <http://codingbat.com/prob/p194786>

Substring: <http://codingbat.com/prob/p174254>

Substring: <http://codingbat.com/prob/p281962>

Comparing strings: <http://codingbat.com/prob/p139075>

Comparing strings: <http://codingbat.com/prob/p249622>

Decisions on strings: <http://codingbat.com/prob/p168564>

Loops with strings: <http://codingbat.com/prob/p147538>

Recursion: <http://codingbat.com/prob/p101409>