CS 104 MSG Activity 1: Variables & Data Types Jackson Eshbaugh February 3, 2025

Exercise 1.	
How would you define the term <i>variable</i> ?	
Exercise 2.	
What does the memory look like after the following code runs?	
int i = 32;	
<pre>int j = 2; int k = i + j;</pre>	
int l = i * j;	

Exercise 3.

Complete the right side of the list:

Data Type	Represents
int	
float	
double	
char	
boolean	
String	

Table 1: Data Types and What They Represent

Exercise 4.

What will the following code output? What will the memory look like after execution?

```
int i = 12;
int j = 7;
println(3 * x);
int k = i + j - 2;
println(k);
int l = 3;
println(1 / 2);
```

Exercise 5.

Solve the following: