

Exercises 2.1

Learn C With Babbo

1. In the line

```
int my_var ;
```

`my_var` is being:

- a) Declared,
 - b) Initialized,
 - c) Assigned, or
 - d) Pineapple?
2. `int` is called a(n):
- a) Identifier
 - b) Variable
 - c) Data Type
 - d) 80s Sitcom
3. `my_var` is a _____, while its name is a(n) _____:
- a) Data Type, Literal
 - b) Literal, Identifier
 - c) Variable, Identifier
 - d) Variable, Literal
4. For each of the following, say whether `my_var` is initialized. Then, if it was not, say whether it was declared, assigned, or both.

(a) `int my_var ;`

(b) `int my_var = 3 ;`

(c) `int my_var ;`
`my_var = 3 ;`

(d) `my_var = 3 ;`

5. What is the value of `my_var` after the following line inside the `main` function?

```
int my_var ;
```

- a) 0
- b) 1
- c) The code will not compile before `my_var` is assigned.
- d) The value of `my_var` is unpredictable.

6. In the expression

```
int my_var = 3;
```

3 is called a(n):

- a) int variable
- b) int literal
- c) int datatype
- d) int elligent

7. After the execution of

```
int my_var1 = 2;  
int my_var2 = my_var1;  
my_var1 = 4;
```

what is the value of `my_var2`?

8. For each of the following, say whether it is a valid identifier or not. If it is not, give a reason why.
- a) `dataDyne`
 - b) `iPhone`
 - c) `2birds1stone`
 - d) `two_birds_one_stone`
 - e) `two_birds_1_stone`
 - f) `Whoa!`
 - g) `xwing@aliciousness`
 - h) `_hi_`
9. Write a statement that prints the value of the `int` variable `my_var` followed by a new line.