The following are exercises that are meant to build your understanding of dictionaries.

* If you print your variable with a dictionary in it, it will not be as nicely formatted as the text in this document. That is all right.
* Entries in a dictionary have no particular order, so do not worry if your output looks differently from the examples, as long as the data contained inside is the same.
* When a problem says 'given the following', that means that you may copy and paste the given information as a start to your solution.

```
*** Problem 1
    {
        "a": 1,
        "b": 1,
        "c": 1
}
```

Produce code that creates and prints the following dictionary:
Use one separate line of code for each of the different value
insertions.
*** Problem 2 ********************************
Produce code that creates and prints the following dictionary:
\{
1: 2,
2: 3,
3: 4,
4: 5,
5: 6
\}
Use a for loop, as opposed to five different insertion calls.
*** Problem 3 ********************************
Given the following *message* variable
message $=$ "once upon a time there was a dog"
Produce code that creates and prints the following dictionary:
\{
"once": 0,
"upon": 1,
"a": 6,
"time": 3,
"there": 4,
"was": 5,
"dog": 7
\}

Note that the later value of *a* is in the final result.

You can loop through the words in the string with the following code:
for word in message.split(" "):
\# More code goes here
*** Problem 4 ********************************

Produce code that prints the total amount of animals contained in this strange zoo given the following dictionary that stores the quantities of each type of animal:
animals $=$ \{
"dog": 9, "cat": 4,
"frog": 2,
"bear": 4,
"whale": 10
\}
*** Problem 5 ********************************

Produce code that creates and prints a dictionary that stores each of these people's height:weight ratio.

```
    people = {
        "Alice": {
            "age": 20,
            "height": 62,
            "weight": 120.0
        },
        "Bob": {
            "age": 17,
            "height": 68,
            "weight": 130.5
        },
        "Freddie": {
            "age": 21,
            "height": 74,
            "weight": 190.6
        }
    }
```

That is, your code should produce the following dictionary:
\{
'Alice': 0.5166666666666667,
'Freddie': 0.3882476390346275,
'Bob' : 0.5210727969348659
\}

