CSE 160 Section 6 Problems

1. Create a function get_squares that accepts a list of numbers as a parameter, and returns a dictionary mapping each number in the list to its square.

```
For Example:
nums = [1, 4, 4]
get_squares(nums) returns {1:1, 4:16}
```

2. Write a function <code>coldest_city</code> that takes in a list of dictionaries like <code>data</code> below and return the city with the lowest temperature. For example, <code>coldest_city(data)</code> would return "Seattle".

3. Write a function get_num_types that takes a dictionary pokemon_types mapping pokemon to their type and returns a new dictionary mapping pokemon type to the number of pokemon in pokemon type with that type.

```
For example:
```

```
pokemon_types = {"pikachu": "electric", "charmander": "fire",
"charizard": "fire"}
```

```
get_num_types(pokemon_types) returns { 'electric' : 1, 'fire': 2}
```

4. What's the output for the following code?