

CSE 160 Section 6 Solutions

1.

```
def get_squares(nums):
    squares = {}
    for number in nums:
        squares[number] = number ** 2
    return squares
```

2.

```
def coldest_city(data)
    low_temp = None
    city_return = ''
    for dictionary in data:
        city = dictionary ['city']
        city_low = dictionary['lowest_temp']
        if (low_temp == None) or (city_low < low_temp):
            low_temp = city_low
            city_return = city
    return city_return
```

3.

```
def get_num_types(pokemon_types):
    num_types = {}
    for pokemon in pokemon_types:
        my_type = pokemon_types[pokemon]
        if my_type in num_types:
            num_types[my_type] += 1
        else:
            num_types[my_type] = 1
    return num_types
```

4. Output:

```
['kiwis', 'grapes', 'oranges', 'watermelons']
['grapes', 'kiwis', 'oranges', 'watermelons']
{market_1: ("watermelons", 23), market_2: ("oranges", 12), market_3:
("kiwis", 30), market_4: ("grapes", 25)}
```