Dictionaries and Lists Expanded

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Exercise 1: Basic dictionary tools

```python
random_assets = {'milk_enjoyers': 0,
        'hotel': 'trivago',
        5318008: "pepsiman"}

print(random_assets[5318008])
random_assets[96] = 204

for content in random_assets:
    print(random_assets[content])

for access in random_assets.keys():
    print(access)
```

Exercise 2: Dictionary manipulation

Create a dictionary named "letter_to_num" that maps every integer to a number in this pattern: 'a' = 1, 'b' = 2…, up to h.

Add the key-val pair of 'It sure is nice driving my 2020 Chevy Silverado' : 'Hi, Squidward!' to the dictionary.

Print every value of the dictionary.

Print every key of the dictionary.

Exercise 3: Nested dictionaries and lists

```python
ssbu_ken_data = {'jab': {'startup': 2, 'damage': 1.5},
                 'shoryuken': {'startup': 6, 'damage': 24}}

ssbu_ken_data['hadoken'] = {'startup': 13, 'damage': 5}
ssbu_ken_data[6] = ['Tatsumaki', 'Senpukyaku']

del ssbu_ken_data['jab']

if 'damage' in ssbu_ken_data['shoryuken']:
    print('SHORYUKEN!!!!!!1111')

if 'Tatsumaki' in ssbu_ken_data[6]:
    print('HUAAAAAAAAAH!')
ssbu_ken_data.clear()

print(ssbu_ken_data['shoryuken']['damage'])
print(ssbu_ken_data['hadoken'])
print(ssbu_ken_data[6][0])
```

Exercise 4: Nested dictionary and list manipulation

Create a variable named "students" with the value {}.

Give the key 'Grug' the value {'NSID': ggg666, 'SN': 99999999} for students.

Give the key 'Jerry' the value ['NSID', jjj111, 'SN', 11111111] for students.

Use the .insert(index, value) method to insert "Ditchable" at index 2 in the Jerry list.

Transfer the contents of index 0 in the Jerry list to a variable named "key_text" with the .pop(index) method.

Print students.

Print key_text.