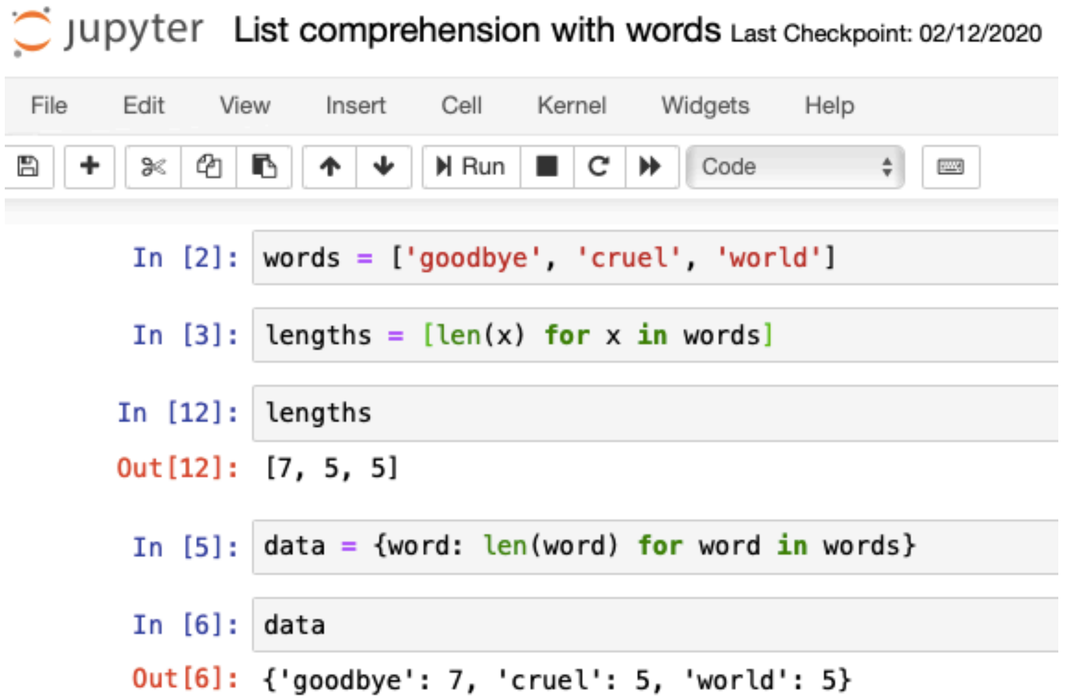
리스트 표현식

list comprehension



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리스트 생성

반복, 표현식

```
In [2]: words = ['goodbye', 'cruel', 'world']

In [3]: lengths = [len(x) for x in words]

In [12]: lengths
Out[12]: [7, 5, 5]

In [4]: lengths = []
        for word in words:
            lengths.append(len(word))

        lengths
Out[4]: [7, 5, 5]
```

표현식

반복

딕셔너리 생성

반복, 축약

표현식

```
In [5]: data = {word: len(word) for word in words}

In [6]: data
Out[6]: {'goodbye': 7, 'cruel': 5, 'world': 5}
```

반복

```
In [7]: lengths = []
        for word in words:
            lengths.append(len(word))

        lengths
Out[7]: [7, 5, 5]

In [8]: data = dict(zip(words, lengths))
```

```
In [7]: data
Out[7]: {'goodbye': 7, 'cruel': 5, 'world': 5}
```

리스트 표현식

함수적용

```
In [20]: def celsius_to_farenheit(degree):
             return (9/5) * degree + 32

In [21]: ctemps = [17.1, 22.3, 18.4, 19.1]

In [22]: [celsius_to_farenheit(x) for x in ctemps]
Out[22]: [62.78, 72.14, 65.12, 66.38]
```