Regex with Pandas and Named Groups

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You are currently looking at **version 1.0** of this notebook. To download notebooks and datafiles, as well as get help on Jupyter notebooks in the Coursera platform, visit the Jupyter Notebook FAQ course resource.

1 Working with Text Data in pandas

```
In [ ]: import pandas as pd
        time_sentences = ["Monday: The doctor's appointment is at 2:45pm.",
                          "Tuesday: The dentist's appointment is at 11:30 am.",
                          "Wednesday: At 7:00pm, there is a basketball game!",
                          "Thursday: Be back home by 11:15 pm at the latest.",
                          "Friday: Take the train at 08:10 am, arrive at 09:00am."]
        df = pd.DataFrame(time_sentences, columns=['text'])
In [ ]: # find the number of characters for each string in df['text']
        df['text'].str.len()
In [ ]: # find the number of tokens for each string in df['text']
        df['text'].str.split().str.len()
In [ ]: # find which entries contain the word 'appointment'
        df['text'].str.contains('appointment')
In [ ]: # find how many times a digit occurs in each string
        df['text'].str.count(r'\d')
In []: # find all occurances of the digits
       df['text'].str.findall(r'\d')
In []: # group and find the hours and minutes
        df['text'].str.findall(r'(\d?\d):(\d\d)')
```