3_missing_value_exercise

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In []: import pandas as pd
        import numpy as np
 \begin{tabular}{ll} In []: \# \textit{Eaxmple from - https://chrisalbon.com/python/pandas_missing\_data.html} \end{tabular} 
        raw_data = {'first_name': ['Jason', np.nan, 'Tina', 'Jake', 'Amy'],
                 'last_name': ['Miller', np.nan, 'Ali', 'Milner', 'Cooze'],
                 'age': [42, np.nan, 36, 24, 73],
                 'sex': ['m', np.nan, 'f', 'm', 'f'],
                 'preTestScore': [4, np.nan, np.nan, 2, 3],
                 'postTestScore': [25, np.nan, np.nan, 62, 70]}
        df = pd.DataFrame(raw_data, columns = ['first_name', 'last_name', \
                                                  'age', 'sex', 'preTestScore', 'postTestScore'])
        df
In [ ]: df.isnull().sum()
In []: df.isnull().sum() / len(df)
In [ ]: df_no_missing = df.dropna()
        df_no_missing
In []: df
In [ ]: df_cleaned = df.dropna(how='all')
        df_cleaned
In [ ]: df['location'] = np.nan
In [ ]: df.dropna(axis=1, how='all')
In []: df
In [ ]: df.dropna(axis=0, thresh=1)
In [ ]: df.dropna(thresh=5)
In []: df
```