

```
In [1]: contractions = {
    "ain't": "am not / are not / is not / has not / have not",
    "aren't": "are not / am not",
    "can't": "cannot",
    "can't've": "cannot have",
    "'cause": "because",
    "could've": "could have",
    "couldn't": "could not",
    "couldn't've": "could not have",
    "didn't": "did not",
    "doesn't": "does not",
    "don't": "do not",
    "hadn't": "had not",
    "hadn't've": "had not have",
    "hasn't": "has not",
    "haven't": "have not",
    "he'd": "he had / he would",
    "he'd've": "he would have",
    "he'll": "he shall / he will",
    "he'll've": "he shall have / he will have",
    "he's": "he has / he is",
    "how'd": "how did",
    "how'd'y": "how do you",
    "how'll": "how will",
    "how's": "how has / how is / how does",
    "I'd": "I had / I would",
    "I'd've": "I would have",
    "I'll": "I shall / I will",
    "I'll've": "I shall have / I will have",
    "I'm": "I am",
    "I've": "I have",
    "isn't": "is not",
    "it'd": "it had / it would",
    "it'd've": "it would have",
    "it'll": "it shall / it will",
    "it'll've": "it shall have / it will have",
    "it's": "it has / it is",
    "let's": "let us",
    "ma'am": "madam",
    "mayn't": "may not",
```

```
"might've": "might have",
"mightn't": "might not",
"mightn't've": "might not have",
"must've": "must have",
"mustn't": "must not",
"mustn't've": "must not have",
"needn't": "need not",
"needn't've": "need not have",
"o'clock": "of the clock",
"oughtn't": "ought not",
"oughtn't've": "ought not have",
"shan't": "shall not",
"sha'n't": "shall not",
"shan't've": "shall not have",
"she'd": "she had / she would",
"she'd've": "she would have",
"she'll": "she shall / she will",
"she'll've": "she shall have / she will have",
"she's": "she has / she is",
"should've": "should have",
"shouldn't": "should not",
"shouldn't've": "should not have",
"so've": "so have",
"so's": "so as / so is",
"that'd": "that would / that had",
"that'd've": "that would have",
"that's": "that has / that is",
"there'd": "there had / there would",
"there'd've": "there would have",
"there's": "there has / there is",
"they'd": "they had / they would",
"they'd've": "they would have",
"they'll": "they shall / they will",
"they'll've": "they shall have / they will have",
"they're": "they are",
"they've": "they have",
"to've": "to have",
"wasn't": "was not",
"we'd": "we had / we would",
"we'd've": "we would have",
"we'll": "we will",
"we'll've": "we will have",
```

```
"we're": "we are",
"we've": "we have",
"weren't": "were not",
"what'll": "what shall / what will",
"what'll've": "what shall have / what will have",
"what're": "what are",
"what's": "what has / what is",
"what've": "what have",
"when's": "when has / when is",
"when've": "when have",
"where'd": "where did",
"where's": "where has / where is",
"where've": "where have",
"who'll": "who shall / who will",
"who'll've": "who shall have / who will have",
"who's": "who has / who is",
"who've": "who have",
"why's": "why has / why is",
"why've": "why have",
"will've": "will have",
"won't": "will not",
"won't've": "will not have",
"would've": "would have",
"wouldn't": "would not",
"wouldn't've": "would not have",
"y'all": "you all",
"y'all'd": "you all would",
"y'all'd've": "you all would have",
"y'all're": "you all are",
"y'all've": "you all have",
"you'd": "you had / you would",
"you'd've": "you would have",
"you'll": "you shall / you will",
"you'll've": "you shall have / you will have",
"you're": "you are",
"you've": "you have"
}
```

Expanding Contractions using Contractions library

```
In [2]: import contractions
print(contractions.fix("you've"))
print(contractions.fix("he's"))
```

```
you have
he is
```

```
In [3]: matter = "She'd like to know how I'd done that! She's going to the park and I don't think I'll be home for dinner.Theyre going to the zoo and she'll
contractions.fix(matter)
```

```
Out[3]: 'She would like to know how I would done that! She is going to the park and I do not think I will be home for dinner.They Are going to the zoo an
d she will be home for dinner.'
```

```
In [4]: # import contractions
sent = "I'm not sure,but I'd like to do it."
contractions.fix(sent)
```

```
Out[4]: 'I am not sure,but I would like to do it.'
```

Expanding Contractions using Regex Library

```
In [5]: import re

def decontracted(phrase):
    # specific
    phrase = re.sub(r"won't", "will not", phrase)
    phrase = re.sub(r"can't", "can not", phrase)

    # general
    phrase = re.sub(r"n't", " not", phrase)
    phrase = re.sub(r"'re", " are", phrase)
    phrase = re.sub(r"'s", " is", phrase)
    phrase = re.sub(r"'d", " would", phrase)
    phrase = re.sub(r"'ll", " will", phrase)
    phrase = re.sub(r"'t", " not", phrase)
    phrase = re.sub(r"'ve", " have", phrase)
    phrase = re.sub(r"'m", " am", phrase)
    return phrase

test = "Hey I'm Yann, how're you and how's it going ? That's interesting: I'd love to hear more about it."
print(decontracted(test))
```

Hey I am Yann, how are you and how is it going ? That is interesting: I would love to hear more about it.

```
In [6]: import re
contractions_dict = {'didn't': 'did not', 'don't': 'do not',}
contractions_re = re.compile('(' + '%s' % '|'.join(contractions_dict.keys()) + ')')

def expand_contractions(s, contractions_dict=contractions_dict):
    def replace(match):
        return contractions_dict[match.group(0)]
    return contractions_re.sub(replace, s)

expand_contractions('You don't need a library')
```

Out[6]: 'You do not need a library'

