



```
print('L': ', L)
print('R: ', R)
print('*** now implicit delete by excluding the leading letter ***')
print('L + R[1:]: ',L + R[1:], ' <-- delete ', R[0])</pre>
             word : dearz
             first item from the splits list : ['', 'dearz']
            L + R[1:] : earz <-- delete d
            So the end result transforms {}^{\mbox{\scriptsize '}}\mbox{\scriptsize dearz'} to {}^{\mbox{\scriptsize '}}\mbox{\scriptsize earz'} by deleting the first character.
            And you use a loop (code block above) or a list comprehension (code block below) to do
            this for the entire splits list.
 In [8]: # deletes with a list comprehension
            splits = splits_a
            deletes = [L + R[1:]] for L, R in splits if R]
             print(deletes)
             print('*** which is the same as ***')
             for i in deletes:
                print(i)
            ['earz', 'darz', 'derz', 'deaz', 'dear']
*** which is the same as ***
            earz
             darz
             derz
            deaz
            dear
            Ungraded Exercise
             You now have a list of candidate strings created after performing a delete edit.
            Next step will be to filter this list for candidate words found in a vocabulary.
            Given the example vocab below, can you think of a way to create a list of candidate words?
            Remember, you already have a list of candidate strings, some of which are certainly not actual words you might find in your vocabulary!
            So from the above list earz, darz, derz, deaz, dear,
            You're really only interested in dear.
In [13]: vocab = ['dean','deer','dear','fries','and','coke']
edits = list(deletes)
            print('vocab : ', vocab)
print('edits : ', edits)
             candidates=[]
             ### START CODE HERE ###
             #candidates = ?? # hint: 'set.intersection'
candidates = set.intersection(set(vocab), set(edits))
             ### END CODE HERE ###
            print('candidate words : ', candidates)
            vocab : ['dean', 'deer', 'dear', 'fries', 'and', 'coke']
edits : ['earz', 'darz', 'derz', 'deaz', 'dear']
candidate words : {'dear'}
```

## Expected Outcome:

vocab : ['dean', 'deer', 'dear', 'fries', 'and', 'coke'] edits: ['earz', 'darz', 'derz', 'deaz', 'dear'] candidate words : {'dear'}

## Summary

You've unpacked an integral part of the assignment by breaking down splits and edits, specifically looking at deletes here.

Implementation of the other edit types (insert, replace, switch) follows a similar methodology and should now feel somewhat familiar when you see them.

This bit of the code isn't as intuitive as other sections, so well done!

You should now feel confident facing some of the more technical parts of the assignment at the end of the week.

In [ ]: