



## Sharpen your pencil

```
smoothies = ['coconut',
             'strawberry',
             'banana',
             'tropical',
             'acai berry']
```

```
has_coconut = [True,
               False,
               False,
               True,
               False]
```

```
i = 0
```

```
while i < len(has_coconut):
```

```
    if has_coconut[i]:
```

```
        print(smoothies[i],
              'contains coconut')
```

```
    i = i + 1
```



Another quick exercise. Remember the fridge magnet code from a few pages back? Update that code so that it uses a `for` loop instead of a `while` loop. If you need a hint, revisit the way we reworked the `while` loop for Bubbles-R-Us.

You don't need to turn back a few pages because we've reproduced the solution for you here.

smoothie\_matching\_150.py - C:/Users/Mainur/AppData/Local/Progr

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```
smoothies = ['coconut',
             'strawberry',
             'banana',
             'tropical',
             'acai berry']
has_coconut = [True,
               False,
               False,
               True,
               False]
length = len(has_coconut)

for i in range(length):
    if has_coconut[i]:
        print(smoothies[i], 'contains coconut')
```

Python 3.9.0 Shell

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```
Python 3.9.0 (tags/v3.9.0:9cf6752, Oct 5 2020,
D64) on win32
Type "help", "copyright", "credits" or "license"
>>>
= RESTART: C:/Users/Mainur/AppData/Local/Programs/Python/Python39-64/Python.exe
ing_150.py
coconut contains coconut
tropical contains coconut
>>> |
```