

BIS 420 PROGRAMMING FOR DATA SCIENCE

PRAJAKTA POHARE CHAPTER 8 EXERCISE 8.10

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third, etc.

```
>>> fruit = 'banana'
```

```
>>> fruit[0:5:2]
```

```
'bnn'
```

A string slice can take a third index that specifies the “step size;” that is, the number of spaces between successive characters. A step size of 2 means every other character; 3 means every

A step size of -1 goes through the word backwards, so the slice `[::-1]` generates a reversed string. Use this idiom to write a one-line version of `is_palindrome` from Exercise 6.6.

```
def is_palindrome():  
    s = input("Enter a string: ")  
    return s == s[::-1]
```

```
print(is_palindrome())
```

Week 8 >  BIS420_PrajaktaPohare_Ch8_8.10_Input.py > ...

```
1  ∨ def is_palindrome():  
2      s = input("Enter a string: ")  
3      return s == s[::-1]  
4  
5  print(is_palindrome())
```