

CS150 L04: String operators - solution

1. What is the value of s after this code runs?

- (A) "abcddd q"
- (B) "abcddd""q"
- (C) "abcdddq"
- (D) "qdddabc"
- (E) "dddabcq"

Answer: E

" is the empty string, the identity for concatenation, so "" * 3 is the empty string, so the third line does nothing. The code does the same as

```
s = 'abc'  
s = 'ddd' + s  
s = s + ""  
s = s + 'q',  
so s is 'dddabcq'
```

```
s = 'abc'  
s = 'd' * 3 + s  
s = s + "" * 3  
s = s + 'q'
```