1. `def mystery(s):
   new_s = 
   for c in s:
       new_s = c + new_s
   return new_s`

   What is a good description of this function?  
   A Return a copy of `s`  
   B Return the reverse of `s`  
   C Return a string consisting of only the final character of `s`  
   D Return a string consisting of only the first character of `s`  
   E I don't know  

   Answer: B  
   Since we build up the new string `new_s` by prepending (adding new characters to the front), we reverse the string

2. What is the value of `val` after this code executes?  

   ```python
   val = 0
   for i in 'ab':
       for j in 'cd':
           val = val + 1
   ```

   Answer: C  
   There are 2 characters in each of 'ab' and 'cd', so each loop will have 2 iterations, and thus we will add "1" to val 4 times (since the loops are nested)
3. What is the value of `val` after this code executes?

```python
val = 0
for i in 'abc':
    for j in 'def':
        val = val + 1
```

A 1  
B 3  
C 6  
D 9  
E 27

Answer: D
There are 3 characters in each of ‘abc’ and ‘def’, so each loop will have 3 iterations, and thus we will add “1” to `val` 9 times (since the loops are nested)