Lab 2, Tasks 1 and 4

Task 1

1)

line of code	**a**	**t**	**s**
s = 'cs111'	'cs111'		
t = 'is amazing!'	'cs111'	'is amazing!'	
u = s[1] + t[-4:]	'cs111'	'is amazing!'	'sing!'
s = s[:2] + (t[-1]*2)	'cs!!'	'is amazing!'	'sing!'
t = t[1:-2:2]	'cs!!'	'saai'	'sing!'
s[::-2]	'cs!!'	'saai'	'sing!'

2) **output:**

```
cs!! saai sing!
```

6) To see the effect of the skip-slicing line (the final line in the table), change that line to:

```
s = s[::-2]
```

Task 4

a	**b**	**c**
5	3	
10	3	
10	3	13
10	3	6

Notes:

- c // 2 performs **integer** division,so we get 6 and **not** 6.5

- We don't execute the block associated with the second elif, even though b == 3 is true. That's because the if-elif-elif-else is a single four-way decision, and we never execute more than one block in a multi-way decision.

  Because the initial if condition is true,we execute its block and we don't even look at the elif conditions. Rather, we skip to the statement that comes after the multi-way decision, which in this case is the second if statement.