Exercise

- Give the output

```python
num1 = 7
num2 = 3
num3 = 2
num4 = 4

num5 = num1
num1 = num2 * num1 + 4
num2 = num5 + num2
num5 = num3
num3 = num4 - num3 + 1
num4 = num5

print(num1, num2, num3, num4, num5)
```

25 10 3 2 2
Exercise

- Given the following code:

```python
item1 = "Blah!"
item2 = "Blah?"
item3 = item2
item2 = item1
```

How many string objects are there in memory?

3 string objects

Given the picture of memory below right, fill in the variable addresses below:

<table>
<thead>
<tr>
<th></th>
<th>101</th>
<th>111</th>
</tr>
</thead>
<tbody>
<tr>
<td>item1</td>
<td>&quot;Blah!&quot;</td>
<td></td>
</tr>
<tr>
<td>item2</td>
<td>&quot;Blah?&quot;</td>
<td></td>
</tr>
<tr>
<td>item3</td>
<td></td>
<td></td>
</tr>
</tbody>
</table>
Complete the output.

```python
s = "Dogs have masters. Cats have staff."
print("1.", s[1: 6])
print("2.", s[:2] * 3)
print("3.", s[-3])
print("4.", s[4] + s[1])
print("5.", s[-4:])
```

1. ogs h
2. DoDoDo
3. f
4. o
5. aff.
Exercise

- Complete the following program so that it prints the name between two rows of stars. There are three spaces on each side of the name. Your code should work for names of any length.

```python
name = "Philomena Evangeline"
extras = 3
name_length = len(name)
stars_length = name_length + extras * 2
print("*" * stars_length)
print(" " * extras + name + " " * extras)
print("*" * stars_length)
```

**************
Philomena Evangeline
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