lecture_7_practice

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1 Practice: Conditionals and String Manipulation

1.1 IF ELSE Statements

Look at the following code example and try running it

```
[1]: x = 5

if x < 11:
    print('A')
elif x >= 13:
    print('B')
else:
    print('C')
```

```
A
```

Now what would happen if x was changed to 30? What would the output be?

Do Not Code. Please answer this question as a markdown block. Modify the code above to check your answer afterwords.

TODO: Put your answer here

It would be B.

What value would the `x` variable have to be in order to get the output 'C'?

Again, Do Not Code. Please answer this question as a markdown block Modify the code above to check your answer afterwords

TODO: Put your answer here

It have to be value 12.

1.2 String Manipulation

Now, make a variable with your name in it, called `my_name`

```
[3]: my_name = "Ryan"
display(my_name)
```

```
'Ryan'
```

Write code to display the first letter of your name

```
[4]: display("The first letter is: " + my_name[0])
```

'The first letter is: R'

Write code to display the last letter of your name

```
[5]: display("The sixth letter is: " + my_name[3])
```

'The sixth letter is: n'

1.3 Ifs with Strings

Save a string in a variable called `message` and have it end with either a question mark ?, an exclamation mark !, or a period .

```
[6]: message = "What's your name?"
```

Now, make a set of if/elif/else statements which will display either: - `The message was a question` - `The message was an exclamation` - `The message was a statement` - `The message ended unexpectedly`

depending on what character the message ended in a ?, !, ., or something else. Hint: use the `endswith` function.

```
[7]: if message.endswith('?'):
         display("The message was a question")
     elif message.endswith('!'):
         display("The message was an exclamation")
     elif message.endswith('.'):
         display("The message was a statement")
     else:
         display("The message ended unexpectedly")
```

'The message was a question'

Now, go back and modify the message string to see if the different if/elif/else options all work