



Review of Last Week's Activity

- The problem from last week was:
 - Take a string as an input for a function and then change the vowels in the string to be "*"
- Parts of the Project:

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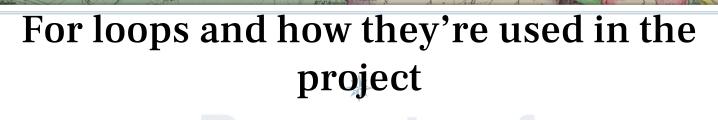
- A function (this is not always necessary, but for this project I had you all make this project as a function)
- A for loop that looped through the letters of a string
- Conditional statements to check each part of the string we loop through
- String creation using the loop/allocation of variables

Function Type of the Project

- The function we used in this project was a void function, because it did not have a return statement
- The function had one parameter

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- The parameter of the function was filled in, at the time of the function call at the end of your project
- For this project the parameter was a string type
- Why did we need this type of function and can someone explain what happens to the string parameter input.



- Can someone explain what the i stands for in the for loop?
- What is the difference between the two project answer for loops?
- Why do we use the range function in a loop?
- How can we loop through a list?
- Why + how can we loop through a string?

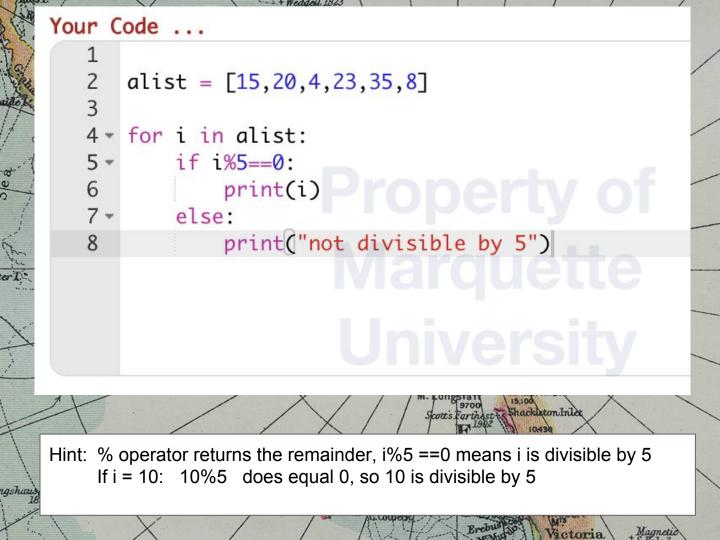
Conditional Statements

<u>If this</u> do this, <u>else</u> if this do this, <u>else</u> do this.

- There are three types of statements you can use when constructing a conditional statement
- <u>If + (some condition)</u>: if statements are usually first, they define what condition you want to meet
- <u>Elif + (some condition):</u> elif aka "else if" is a statement that will come after the first if condition, but allows you to define a secondary condition
- <u>Else:</u> else statements do not specify a condition BECAUSE an else statement stands for: IF THE INPUT DOES NOT SATISFY ANY OF THE CONDITIONS YOU DEFINED PREVIOUSLY: DO THIS

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Hint:

There are 5 different iterations (loops)

What happens for each loop?

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Partner Activity (very similar to last)

- Password maker part 2
- For this problem we will create a function called passwords and it will take one string parameter (astring), then for each vowel in the string, the vowel will be replace by a number that represents the order of vowels in that word:
 - \sim Katie == K0t12
 - \circ Food == F01d
- You will need an empty string variable and also a counter to keep track of the vowel number you're on
- EXTRA CREDIT: try to implement this with a user input for the string parameter

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Dice Roller Simulator

- For this you will need to use the python library called Random: import random
 - Use random.randint(a, b) where a = start and b = end
 value
- You will need to ask a user if they want to roll the dice, yes for go, no for quit the program.
- Use a while loop to keep rolling dice unless the user input equals "no"

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• The random generator will generate a number between 1 and 6 and then print the number to the screen as "you rolled a " + (number rolled)

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