

## Assignment 0

### How windows OS run python script ?

It compiles the source code into a lower\_level language to optimize code execution so when the code interpreter run the code next time it won't recompile it again.

### The use of For/ while Else Statement:

Else statement after for/while loop is only executed when the loop is not terminated by a break statement.

### The most common built-in string methods in python:

Method	Description
<a href="#">rfind()</a>	Searches the string for a specified value and returns the last position of where it was found
<a href="#">count()</a>	Returns the number of times a specified value occurs in a string
<a href="#">encode()</a>	Returns an encoded version of the string
<a href="#">endswith()</a>	Returns true if the string ends with the specified value
<a href="#">find()</a>	Searches the string for a specified value and returns the position of where it was found

<a href="#"><u>index()</u></a>	Searches the string for a specified value and returns the position of where it was found
<a href="#"><u>isalnum()</u></a>	Returns True if all characters in the string are alphanumeric
<a href="#"><u>isalpha()</u></a>	Returns True if all characters in the string are in the alphabet
<a href="#"><u>isnumeric()</u></a>	Returns True if all characters in the string are numeric
<a href="#"><u>isdigit()</u></a>	Returns True if all characters in the string are digits
<a href="#"><u>isspace()</u></a>	Returns True if all characters in the string are whitespaces
<a href="#"><u>replace()</u></a>	Returns a string where a specified value is replaced with a specified value
<a href="#"><u>split()</u></a>	Splits the string at the specified separator, and returns a list
<a href="#"><u>splitlines()</u></a>	Splits the string at line breaks and returns a list
<a href="#"><u>startswith()</u></a>	Returns true if the string starts with the specified value

