

1. Interpolation is when you replace a variable with its contents within a string. This is different than concatenation because you are not adding to the end of a string but you're actually injecting the contents in a variable in between a set of strings with double quotes.
2. The define method is essentially used to create constants. You pass the define function the name of the constant and the value of the constant and define does the rest of the work.
3. A variable declared outside of a function is available inside the function. A variable declared inside of a function is not available outside the function. You can use global variables to define a variable inside a function and it can be used outside the function. If a variable is declared outside of a function and another variable is declared inside a function with the same name, the variable defined inside the function takes precedence when called inside a function. Scope in recursion only exists inside the current calling function and other calls to the same function do not have access to variables within different functions.
4. `empty()` checks to see if a variable is either 0, empty, or not set at all. `isset()` evaluates to true much the same as `empty`, except it also evaluates to true even if the variable is set but it doesn't have any value.