**PHP research**

**Case sensitivity:**

In php , variable names are case sensitive, this means that different capitalization are treated as different variables for example : $fname is different that $Fname so they are treated as two separated variables even they are consisted of the same letters but they differ in capitalization.

As mentioned php is case sensitive when dealing with variable names but it’s not the same when it comes to function names or class names, this means that function names are NOT case sensitive; for example :

Function MYname(); is that same function myname(); it is the same when it comes to classes; for example :

Class user {

Public $name ;

Public $age ;

Function \_\_constructor ($name , $age){

$this -> name = $name;

$this-> age = $age;

}

}

$firstuser = new USER (‘mohamed’ , ‘26’) // this will create new instance from class user

$seconduser = new user (‘omar’ , ‘27’) // this will create new instance from class user

Note : As mentioned before that variables are case sensitive in php, constant variables also are the same.

**Reserved words:**

Reserved words means that these words have predefined meanings only used by the language itself, so you can not use these words to initiate a variable, class, function, or constant; these words are different from language to another, in php we have a lot of reserved words, here are some of them:

1. if: Used to perform conditional statements.
2. else: Used in conjunction with if to define an alternative condition.
3. elseif: Used to define additional conditions in an if statement.
4. while: Used to create a loop that executes a block of code as long as a specified condition is true.
5. for: Used to create a loop that has a predetermined number of iterations.
6. foreach: Used to iterate over arrays or objects.
7. switch: Used to perform different actions based on different conditions.
8. case: Used within a switch statement to define specific cases for different values.
9. break: Used to terminate a loop or switch statement.
10. continue: Used to skip the rest of the current iteration of a loop and move to the next iteration.
11. function: Used to declare a function.
12. return: Used to return a value from a function.
13. class: Used to define a class.

Note :These are just a few examples of the reserved words in PHP. It's important to note that you cannot use these words as identifiers for your own variables, functions, classes, or constants, as doing so will result in a syntax error.