**CODEWAR PROBLEMS THINGS I DIDN’T KNOW**

Problem 1: ending of a string can get the ending using substr($haystack,$extracted) if the extracted part is a (-) negative number it will start counting from the end of the string.

There is also a bulit in function built for this it is called str\_ends\_with($string,$endingsubdtr); as the name suggest that’s normal

Problem three : max min function nested ones at that when they are nested they are easy to understand here is an example max(0,min(255,0));

This function would return zero :

First the inner function min would return the smallest number and then the max function would try to get the largest number from the function I this case I think I would return zero.

**STR\_PAD**

What is this is str\_pad ? well its just a function that is used to format a string to a specific size if the string is too small it add thing to either sides of the function if it is too large it returns the string size. The params are $input, $length(you want the string to be ),the pad\_srtring(); the what chars you would want to replace the no existin chars with if not defined php will return ‘’ empty string. Another optional param is the pad type weather that to the left or right or both.

The problem and solution:

The rgb function is incomplete. Complete it so that passing in RGB decimal values will result in a hexadecimal representation being returned. Valid decimal values for RGB are 0 - 255. Any values that fall out of that range must be rounded to the closest valid value.

Note: Your answer should always be 6 characters long, the shorthand with 3 will not work here.

### **Examples (input --> output):**

255, 255, 255 --> "FFFFFF"

255, 255, 300 --> "FFFFFF"

0, 0, 0 --> "000000"

148, 0, 211 --> "9400D3"

function rgb($r,$g,$b){

$r=max(0,min(255,$r));

$g=max(0,min(255,$g));

$b=max(0,min(255,$b));

$hexr=str\_pad(dechex($r),2,"0",STR\_PAD\_LEFT);

$hexg=str\_pad(dechex($g),2,"0",STR\_PAD\_LEFT);

$hexb=str\_pad(dechex($b),2,"0",STR\_PAD\_LEFT);

return strtoupper($hexr.$hexg.$hexb);

}