

tasks 1

What is the call back function?

- Call back Function are away to pass a function as an argument to another function

example

in Code <?php

```
function Callback Function ($arg1, $arg2)
```

```
{
```

```
echo "Call back Function called with
```

```
arguments: $arg1, $arg2";
```

```
}
```

```
function performOperation($callback, $arg1  
                        , $arg2)
```

```
{
```

```
echo "performing operation ---";
```

```
$callback($arg1, $arg2);
```


// use The Function

performOperation('Callback Function', 'Hello'
'World')

→ passed the
Function name
to use it

?>

output:

~~Callback Function
definition~~

performing operation --- Callback

Function called with arguments: Hello, World

What is recursive function?

- allows the function to call itself repeatedly until a certain condition is met

Example (Factorial)

In Code

function Factorial (\$n)

{
if (\$n < 0) return -1

if (\$n == 0) return 1

return \$n * Factorial (\$n - 1)

}

↳ call it self

repeatedly until $n == 0$

then it will stop

and return the value

Recursive function
definition

What is anonymous function?

- is a function that doesn't have ^{any name} specific
at the time of definition

Code:

```
<?php
```

```
$add = function ($a, $b) { return $a + $b;
```

```
echo $add(5, 10);
```

```
?>
```