



WHAT IS A CALLBACK

@codechips
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Your Maths teacher assigns you a homework

But you as a mischievous always copy it from your friend




Finish this homework !

Hey buddy do the homework , I will
copy from you once you were done



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So you have 2 jobs to be done

- do_homework
- copy_homework

So you write the following code to accomplish this

```
function do_homework( ){  
    //doing math  
}  
  
function copy_homework( ){  
    //copying homework  
}  
  
do_homework();  
copy_homework();
```




Even though `do_homework` is called before `copy_homework`, you don't know how long will it take for your friend to complete the homework and `copy_homework` will be called immediately of no use

`do_homework();`
`copy_homework();`

hmm.. But I haven't
completed it yet.



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You don't want to copy empty homework
You want to wait until `do_homework` is
done and only then call `copy_homework`



let me wait



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This is where **callbacks** come into play

A callback is a function passed into another function as an argument to be executed later.

eg



executes only after
doing math is completed

```
function do_homework(callback){  
  //doing math  
  callback();  
}  
  
function copy_homework( ){  
  //copying homework  
}  
  
do_homework(copy_homework);
```

function passed



```
do_homework(copy_homework);
```

Now `copy_homework` is only called once `do_homework` is done



maths homework

