

# 4H Programming

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Set up:  
-----

Go to a new tab (File > New Tab)

Go to: <https://www.w3schools.com/tryit/>

click "run"

Delete everything.

-----  
Set up: Simple HTML Tags  
-----

```
<html>
```

```
<head>  
</head>
```

```
<body>
```

```
</body>  
</html>
```

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-----  
Set up: Javascript  
-----

Go to <https://js.do/>

Click "Create New Code"

You should see something that looks like this:

```
<script>  
// Edit your script here  
  
</script>  
<!-- edit your html here -->
```

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-----  
Javascript: Make a function and call it.  
-----

Inside the <script> tags, put a function, like this:

```
<script>
// Edit your script here

function writeMe(words){

    document.write('<p>' + words + '</p>');
}

//call the function 3 times
writeMe("Hello!");

writeMe("Dude!");

writeMe("What's Up?");

</script>
<!-- edit your html here -->
```

Click run.

If it doesn't work, in chrome go to View > Developer > Developer Tools.  
Run again. See what errors it gives you.

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Python: Make a function and call it.  
-----

Type: python online compiler in google.

Click on the first one: Online Python Compiler – online editor – OnlineGDB

You will see this:

```
'''
                                Online Python Compiler.
                                Code, Compile, Run and Debug python program online.
Write your code in this editor and press "Run" button to execute it.
'''
```

```
print("Hello World")
```

After `print("Hello World")`, make a function, like this:

```
def writeMe(words):
    print(words)

writeMe("Hello")

writeMe("Dude")

writeMe("What's Up?")
```

-----  
Click run. Note you have to put a tab after the line with `def` and indent `print(words)`

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-----  
PHP: Make a function and call it.  
-----

Go to <http://www.writephponline.com/>

After `echo 'Hello World!';`, write a function and call it:

```
function writeMe($words){  
  
    echo $words;  
  
}
```

```
writeMe("Hello");  
writeMe("Dude");  
writeMe("What's up?");
```

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-----  
PHP: Make a function and call it.  
-----

Go to <http://www.writephponline.com/>

After `echo 'Hello World!';`, write a function and call it:

```
function writeMe($words){  
  
    echo $words;  
  
}
```

```
writeMe("Hello");  
writeMe("Dude");  
writeMe("What's up?");
```

-----  
Be careful to click on "Run Code" and not the ads.  
Note that the words all run together

Add this line right after `echo $words;`

```
echo "<br/>";
```

Like this:

```
function writeMe($words){  
  
    echo $words;  
    echo "<br/>";  
  
}
```

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```
-----  
Ruby: Make a function and call it  
-----
```

```
google "ruby online compiler"
```

```
click on Online Ruby Editor and IDE – Fast, Powerful, Free – Repl.it
```

```
Write this function and call it:
```

```
def writeMe(words)  
  print words  
  print "\n"  
end
```

```
writeMe("Hello")  
writeMe("Dude")  
writeMe("What's UP?")
```