

FUNCTIONS



FUNCTION

Functions are invented to exclude repeating the same code in many places.

Functions are the basic building blocks of the program.



CREATION



Function declaration



Function expression



FUNCTION DECLARATION

```
1 function f() {  
2     console.log('function was called');  
3 }
```



FUNCTION EXPRESSION

```
1 var f = function () {  
2     console.log('function was called');  
3 }
```



TYPEOF



function



TBC



INVOKE FUNCTION

```
1 function f() {  
2     console.log( 'function was called' );  
3 }  
4  
5 f();
```



INVOKE FUNCTION

```
1 var f = function () {  
2     console.log('function was called');  
3 }  
4  
5 f();
```




FUNCTION DECLARATION

```
1 f( );  
2  
3 function f( ) {  
4     console.log( 'function was called' );  
5 }
```



FUNCTION EXPRESSION

```
1 f( );  
2  
3 var f = function ( ) {  
4     console.log( 'function was called' );  
5 }
```



ARGUMENTS

```
1 var f = function (name) {  
2     console.log(name);  
3 }  
4 f('Pitter');
```



CALLBACK DECLARATION

```
1 function f(cb) {  
2     cb();  
3 };
```



CALLBACK INVOKING

```
1 f(function() {  
2     console.log('first');  
3 });
```



RETURN

```
1 var sum = function (a, b) {  
2     return a + b;  
3 }  
4  
5 var result = sum(1, 2);
```



RETURN

```
1 var f = function() {  
2     return function() {  
3         console.log('Hello from inner function');  
4     }  
5 }  
6 f()();
```



PATTERN: IIFE

```
1 (function() {  
2     var name = 'Pitter';  
3     console.log(name);  
4 })();
```




METHOD

```
1 var obj = {  
2     method: function() {  
3         console.log('function was called');  
4     }  
5 }  
6 obj.method();
```

HERE GOES!



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