

# function expressions

function definition

→ function <name> (args) {  
 // impl

}

var f = function (args) {  
 // impl

}

(function () { })

→ js file

function expression

→ In JS, we can pass functions as an argument to another function.

function expressions are of 2 types :-

① Anonymous

② Named.

```
var x = function () {  
  //impl  
}
```

```
var y = function () {  
  //impl  
}
```

Anonymous functions are hard to debug.  
recursion is also tricky here.

anonymous  
func<sup>n</sup>  
expression

⇒ Scope of a function expression.

```
function fun() {  
  // →  
  var x = function gun() {  
  
  }  
  x ← gun X
```

function gun  
is inside the  
scope of x.