

Full stack web development using python

## JavaScript Functions



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# Agenda

- ① Function Introduction
- ② Arguments
- ③ return
- ④ types of functions
- ⑤ The ( ) Operator
- ⑥ Object methods
- ⑦ this

# Function

- Function is a block of code
- Function code is executed only when something invokes it
- It is designed to perform a particular task.
- Function makes a code reusable
- Function may have a name to make it reusable.

# Function Syntax

```
function functionName( arg )
```

```
{
```

```
    /* code here */
```

```
}
```

## Avoids rewriting

When you need the procedure you can call a function, with the function name, instead of rewriting the entire code each time.

# Arguments

Functions may take arguments (or parameters).

Arguments are values a function will use to perform its task.

```
function functionName(arg1, arg2, arg3)
{
  //
}
```

## return

Functions can also return some value with return keyword to its caller.

```
function f1()
```

```
{  
    ==  
    ==  
    ==
```

```
    return value;
```

```
}
```

# Types of functions

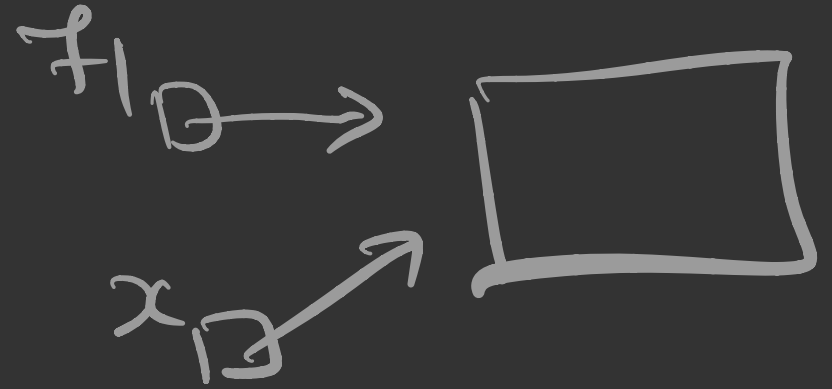
- ① Predefined functions
- ② Userdefined functions



# The () operator

fun()

fun



$f_1(3,4)$

$x_1(3,4)$

## Methods as object members

Objects can also have methods

```
var p1 = {  
  firstname: "Dilip",  
  lastname: "Souney",  
  age: 38,  
  editAge: function(a) { age = a }  
}
```

```
p1.editAge(39)
```

# this

The javascript this keyword refers to the object it belongs to

In a function definition, this refers to the owner of the function.