**JavaScript (JS) Basic Syntax**

* **in – keyword :** same as “ in-keyword ” in python.

Functions

* syntax :

**function** function\_name ( parameter\_01 , parameter\_02 , parameter\_03 … )

{

Code to be executed ;

}

* return statement is used to return valued from functions.

Objects

* Just like dictionaries in Python
* They are **name: value** pair.
* It is a common practice to declare an object using **const**.

Example :

**const** book = { name : “ mythos “ ,

edition : 1,

price\_USD : 5.49,

type : “paper back” } ;

* We can access the properties two ways :
  + **( . ) dot operator** : Object\_name **.** property\_name ;
  + **With square braces** : Object\_name **[ “** property\_name **“] ;**
* We can include methods (functions) inside objects.

Example :

**const** person = { name : “ Garelt “ ,

birth\_place : “ Riveria “ ,

identity : **function** ( ) { **return**  **this**.name + “of” + **this**.name ; }

} ;

* If we access the function with parameters, it will call the function :

**person.identity( );** // will call the function named identity from object person.

* If we access the function with only its name, it will return the function definition.

**person.identity;** // will return the function definition declared in the object.

“ this ” keyword

* This keyword refers to the object it belongs to.
* In above example, “this” refered to the owner of the function.
* The object “this” refers to can be different in different senarios.
  + In a method (function inside an object) , “this” refers to the owner object
  + Alone, “this” refers to the global object
  + In a function , “this” refers to the global object
  + In an event , “this” refers to the element that received the event.