Challenge 1 :

TODO :

1 :

Var nb\_prod = marketplace.length ;

Console.log(nb\_prod);

2:

function list\_brand(){

let ret = []

for(let i in marketplace){

if(!(ret.includes(marketplace[i].brand))){

ret.push(marketplace[i].brand);

}

}

return ret;

}

Var l\_brand = list\_brand();

Console.log(l\_brand.length);

3:

function compare\_price(a,b){

if(a.price < b.price){

return -1;

}else if(a.price > b.price){

return 1;

}

return 0;

}

marketplace.sort(compare\_price)

console.log(marketplace);

4:

function compare\_date(a,b){

if(a.date < b.date){

return -1;

}else if(a.date > b.date){

return 1;

}

return 0;

}

marketplace.sort(compare\_date)

console.log(marketplace);

5:

marketplace.filter(prod => (prod.price >= 50 && prod.price <= 100));

or :

function filter(a,b){

let ret = []

for(let i in marketplace){

if(marketplace[i].price < b && marketplace[i].price>a){ ret.push(marketplace[i]);}

}

return ret;

}

6:

function average(){

let val = 0;

for(let i in marketplace){

val += marketplace[i].price;

}

return val / marketplace.length;

}

console.log(average());

7:

function nb\_prod\_cat(){

let dict = {};

for(let i in marketplace){

if(marketplace[i].brand in dict){

dict[marketplace[i].brand] += 1;

}else{

dict[marketplace[i].brand] = 1;

}

}

return dict;

}

console.log(nb\_prod\_cat());