JAVASCRIPT   
OBJECTS

An object is collection properties, and a property is association between a name and a value.

An object has properties associated with it.A property of an object can be explained as a variable that is attached to the object

Syntax:

objectName.propertyName

Example:

const human = {

color : white

height : 5’10

weight : 52

};

NOTE: every key we provided to objects are converted to strings by javascript

* Unassigned properties are undefined objects
* All keys are converted to strings by obj.toString()

Objects can be updated easily,to add new terms or to change the current value of the object

Syntax:

Let name = {me:’Zuhaib’, you:’mohammed’}

//update

name.me=’Khalifa’;

name

{me:’khalifa’, you:’mohammed’}

//add new value

name[‘he’] = ‘tony’

name

{me:’Zuhaib’, you:’mohammed’, he:’tony’}

We can even nest arrays inside an object

Example:

Const human = [

{ name:’huzi, lastName:’jbl’},

{name:’abdul’, lastName:’armr’}

];

Loops and iterations

Loops offer a quick and easy way to do something repeatedly

There are many different kind of loops,but they all do the same thing:they repeat an action some number of time.

NOTE: Avoid making infinite loops

for loops

a for loops repeats until a specified condition is failed

the for statement a loop that consist of three optional expressions,enclosed in parathentheses and separated by semicolons.

Syntax:

for([initialization];[condition];[final-expression]){

statement

};

Example :

Print 1 – 10

for (let i= 0; i<=10; i++){

console.log(i);

}

Looping arrays:

We can even loops arrays

Syntax are the same as for loops example : for (let i= 0; i<=human.lenth;i++){

//content};

Nested loops

To add loops inside the loops

Example:

for(i =1; i<=10; i++){

conslole.log(i)

for(i=1;i<=3;i++){

console.log(i)

}

}

First for loop will run 9 times as well the second loops with its 2 values

While loop:

A while loop executes its statement as long as the condition evaluate to true

Syntax:

While(condition){

Statement

};

If the condition fails the control passes to the next block of code

Example:

Let n= 0;

While(n<=10){

Console.log(n)

n++;

}

For…of loops:

The for..of loops statement a loop tpiterating over object,strings,array etc

Syntax:

for (variable of iterable){

statement

}

Do..while loops:

The do while create a loop that execute a statement until the condition false,the condition is ecaluated first the statement

Syntax:

do

statement

while(confition);

Example:

let car = “mastang”

do {

bike = car+bike;

}

While (car == “mustang”);

Console.log(stop)l;

Break keyword:

Breaks the current running loops and jump to next block of code:

Syntax:

Break;

Example:

Let name = “lets go”

While(true){

If(name == “lets go”){

Break;

}

};

The continue statement :

It can be used to restart a while,do..while,for or a lebel loop

Syntax:

Continue;