**JavaScript Functions:** A function is a block of code written to perform some specific set of tasks. We can define a function using the *function*keyword, followed by *Name*and optional *parameters*. Body of function is enclosed in Curly braces.

function functionName(parameters) {

// Content

}

**function sum**(a, b) {

**var** total = a + b;

**return** total;

}

console.log(sum(1, 2));

**JavaScript Methods:** A JavaScript method is a property of an object that contains a function definition. Methods are functions stored as object properties. Object method can be accessed with the following syntax:

**Syntax:**

object = {

methodName: function() {

// Content

}

};

object.methodName()

<html>

    <head>

        <script>

**var** employee = {

                empname: "Rahul",

                department : "sales",

                details : **function**() {

**return** **this**.empname +

                        " works with Department " +

**this**.department;

                }

            };

            console.log(employee.details());

        </script>

    </head>

</html>

What does 'this' refer to when used in a Java method?

In Java, this is a **reference variable** that refers to the current object.

1. **class** Student{
2. **int** rollno;
3. String name;
4. **float** fee;
5. Student(**int** rollno,String name,**float** fee){
6. rollno=rollno;
7. name=name;
8. fee=fee;
9. }
10. **void** display(){System.out.println(rollno+" "+name+" "+fee);}
11. }
12. **class** TestThis1{
13. **public** **static** **void** main(String args[]){
14. Student s1=**new** Student(111,"ankit",5000f);
15. Student s2=**new** Student(112,"sumit",6000f);
16. s1.display();
17. s2.display();
18. }}

Out put :

l 0.0

0 null 0.0What does 'this' refer to when used in a JavaScript method?

The JavaScript this keyword refers to the object it belongs to.

It has different values depending on where it is used:

* In a method, this refers to the **owner object**.
* Alone, this refers to the **global object**.
* In a function, this refers to the **global object**.
* In a function, in strict mode, this is undefined.
* In an event, this refers to the **element** that received the event.

What does 'this' refer to when used in a JavaScript constructor function

<!DOCTYPE html>

<html>

<body>

<h2>JavaScript Object Constructors</h2>

<p id="demo"></p>

<script>

// Constructor function for Person objects

function Person(first, last, age, eye) {

this.firstName = first;

this.lastName = last;

this.age = age;

this.eyeColor = eye;

this.nationality = "English";

}

// Create 2 Person objects

const myFather = new Person("John", "Doe", 50, "blue");

const myMother = new Person("Sally", "Rally", 48, "green");

// Display nationality

document.getElementById("demo").innerHTML =

"My father is " + myFather.nationality + ". My mother is " + myMother.nationality;

</script>

</body>

</html>