

SOURCE CODE

02.working-with-functions.html

```
<!DOCTYPE html>
<html lang="en">
<head>
  <meta charset="UTF-8">
  <meta name="viewport" content="width=device-width, initial-scale=1.0">
  <title>Document</title>
  <script src="functions.js"></script>
  <script src="func-returning-func.js"></script>

</head>
<body>
  <h4>WORKING WITH FUNCTIONS</h4>
</body>
</html>
```

functions.js

```
console.log("SIMPLE FUNCTION");

function add(num1, num2) {
  return (num1 + num2);
}

let result = add(10, 22); // 32
console.log("RESULT 1 = " + result);

//declaring functions using arrow function

add_new = (num1, num2) => num1 + num2;

console.log("RESULT 2 = "+add_new(40, 50));

//creating objects with functions

// In JS we can use functions to create objects
function Car(name,color){
  this.name = name;
```

```
    this.color = color;

    this.display = function (){
        return "["+ this.name + ", " + this.color +"]"
    }

};

car1 = new Car("Maruti", "red");

console.log("RESULT 3 = "+car1.display() );
```

func-returning-func.js

```
console.log("FUNCTION RETURNING FUNCTION");

function f1() {

    return function f2() { return 50; }

}

let x = f1(); // x now holds a function that was returned by f1.

console.log("RESULT 1 = "+x()); // 50
```