**Challenge1**

**Index.html**

<!DOCTYPE html>

<html lang="en">

<head>

    <meta charset="UTF-8">

    <meta http-equiv="X-UA-Compatible" content="IE=edge">

    <meta name="viewport" content="width=device-width, initial-scale=1.0">

    <title>Advanced Topics</title>

</head>

<body>

    <script src="challenge1.js"></script>

</body>

</html>

**Challenge1.js**

const myArray=[];

myArray.push(10);

myArray.push(20);

myArray.push(30);

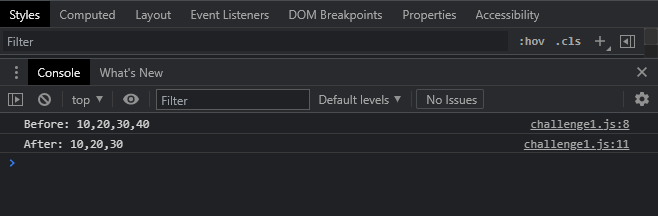
myArray.push(40);

console.log("Before: "+ myArray);

myArray.pop();

console.log("After: "+ myArray);

**Result**

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**Challenge2**

**Index.html**

<!DOCTYPE html>

<html lang="en">

<head>

    <meta charset="UTF-8">

    <meta http-equiv="X-UA-Compatible" content="IE=edge">

    <meta name="viewport" content="width=device-width, initial-scale=1.0">

    <title>Advanced Topics</title>

</head>

<body>

    <script src="challenge2.js"></script>

</body>

</html>

**Challenge2.js**

const myObject={

    name:"indra",

    age:22

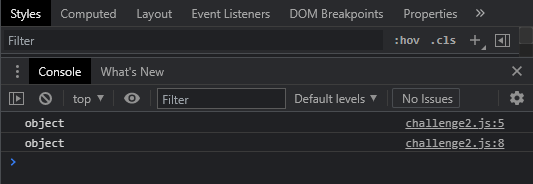
};

console.log(typeof myObject);

const myArray=[10,20,30];

console.log(typeof myArray);

**Result**

****

**Challenge3**

**Index.html**

<!DOCTYPE html>

<html lang="en">

<head>

    <meta charset="UTF-8">

    <meta http-equiv="X-UA-Compatible" content="IE=edge">

    <meta name="viewport" content="width=device-width, initial-scale=1.0">

    <title>Advanced Topics</title>

</head>

<body>

    <script src="challenge3.js"></script>

</body>

</html>

**Challenge3.js**

**Result**

**Challenge4**

**Index.html**

**Challenge4.js**

**Result**