ASKIFY

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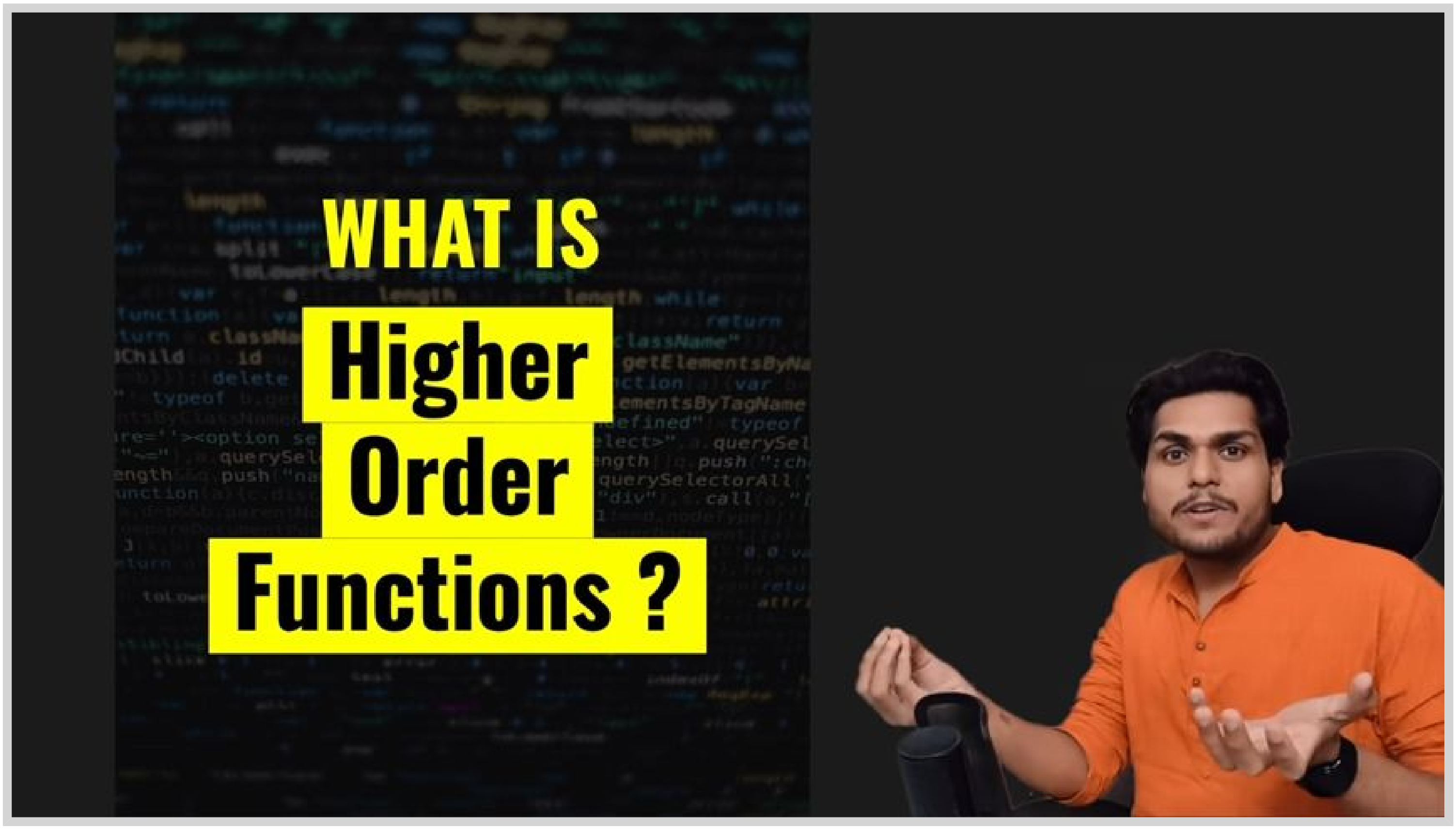
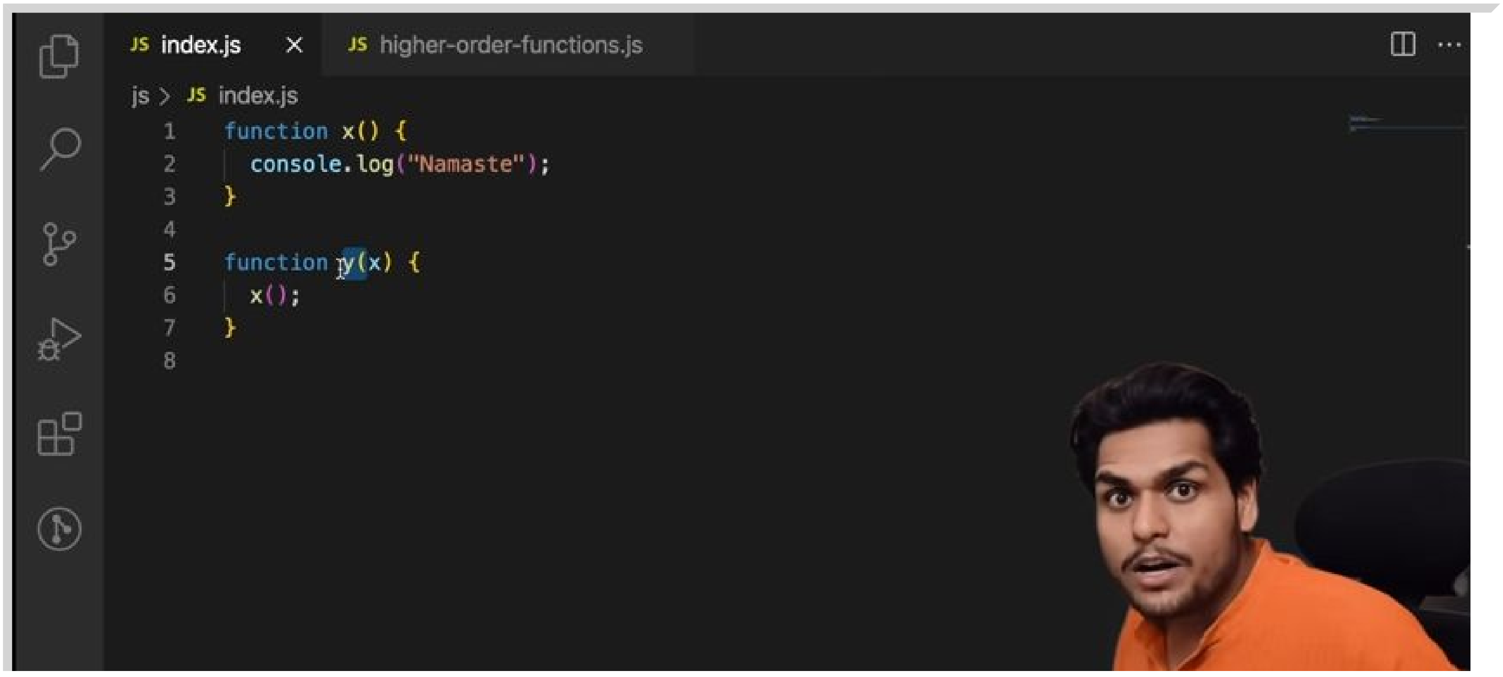
00:38

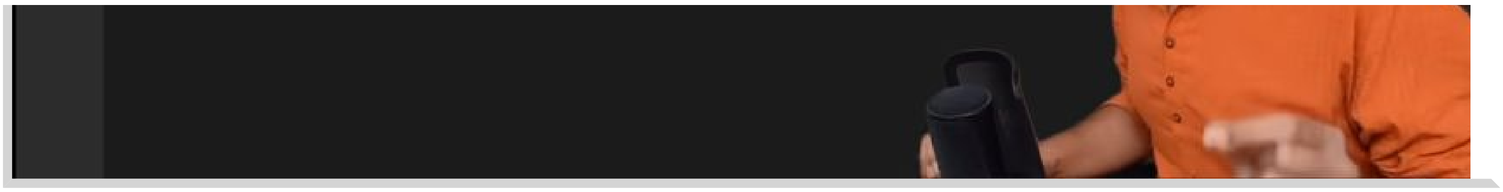


A function which takes another function as an argument or return a function from it is known as **Higher Order Functions**

01:29

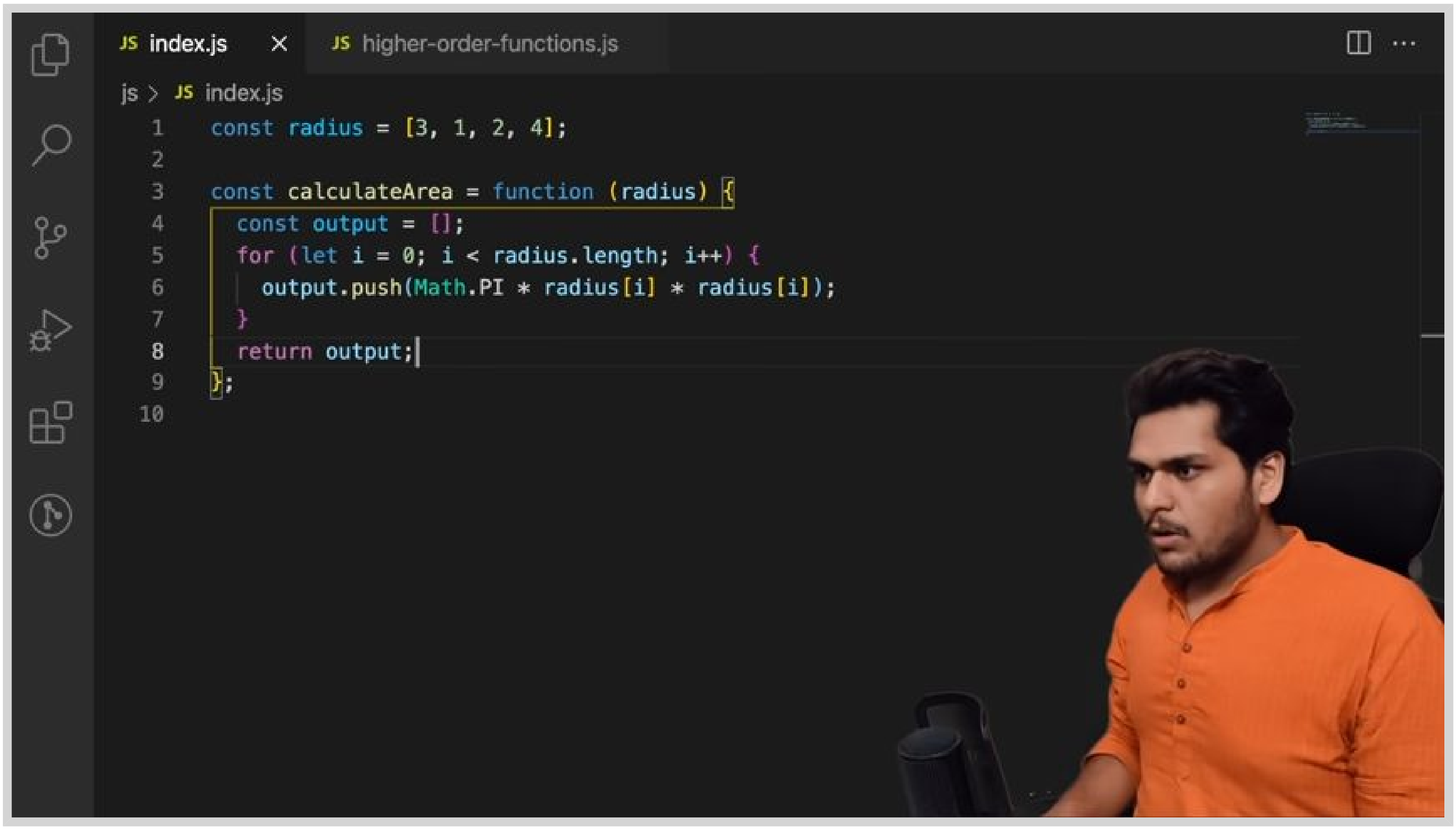


```
function x() {
  console.log("Namaste");
}

function y(x) {
  x();
}

```



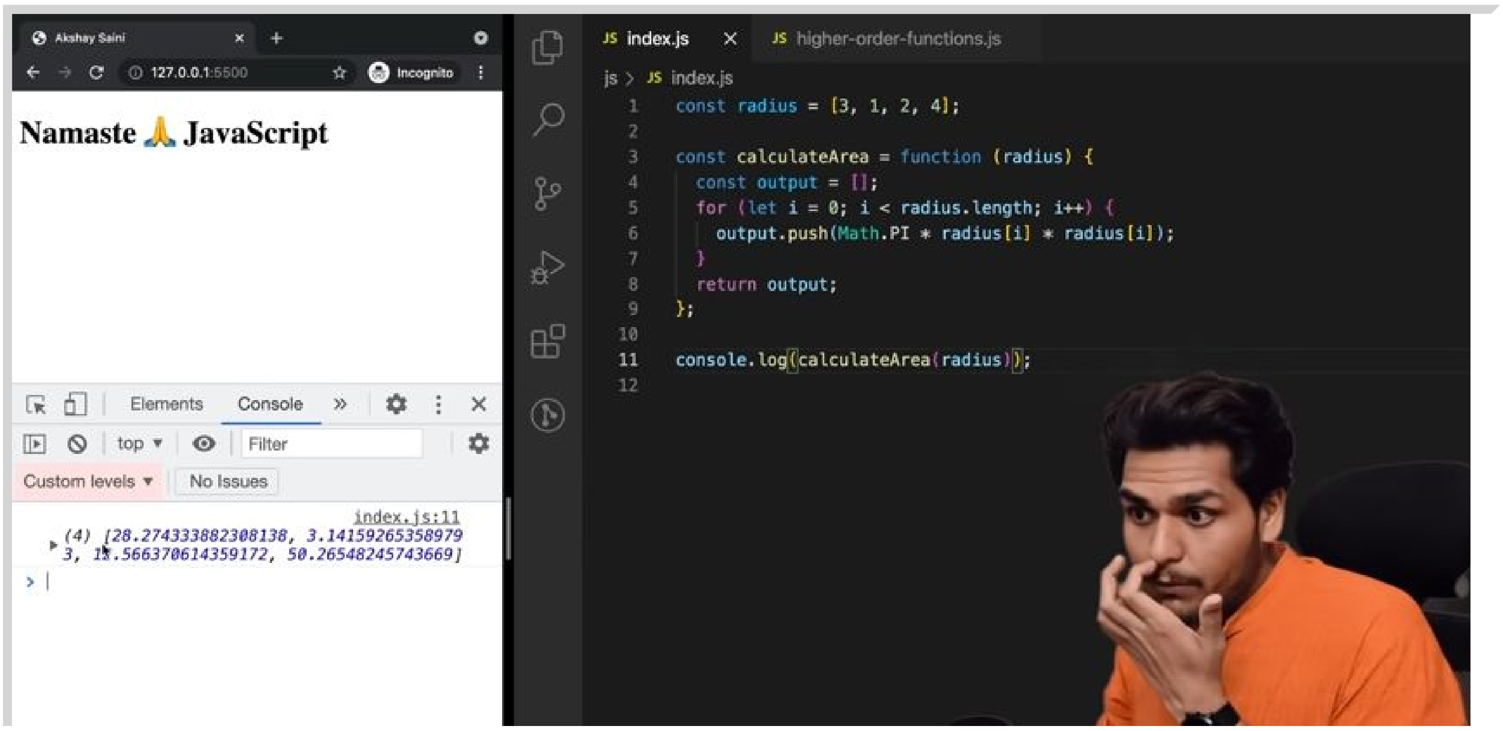
HERE,-> y() is the Higher order funtion & x() is the callBack function

04:00



```
const radius = [3, 1, 2, 4];

const calculateArea = function (radius) {
  const output = [];
  for (let i = 0; i < radius.length; i++) {
    output.push(Math.PI * radius[i] * radius[i]);
  }
  return output;
};
```

04:17

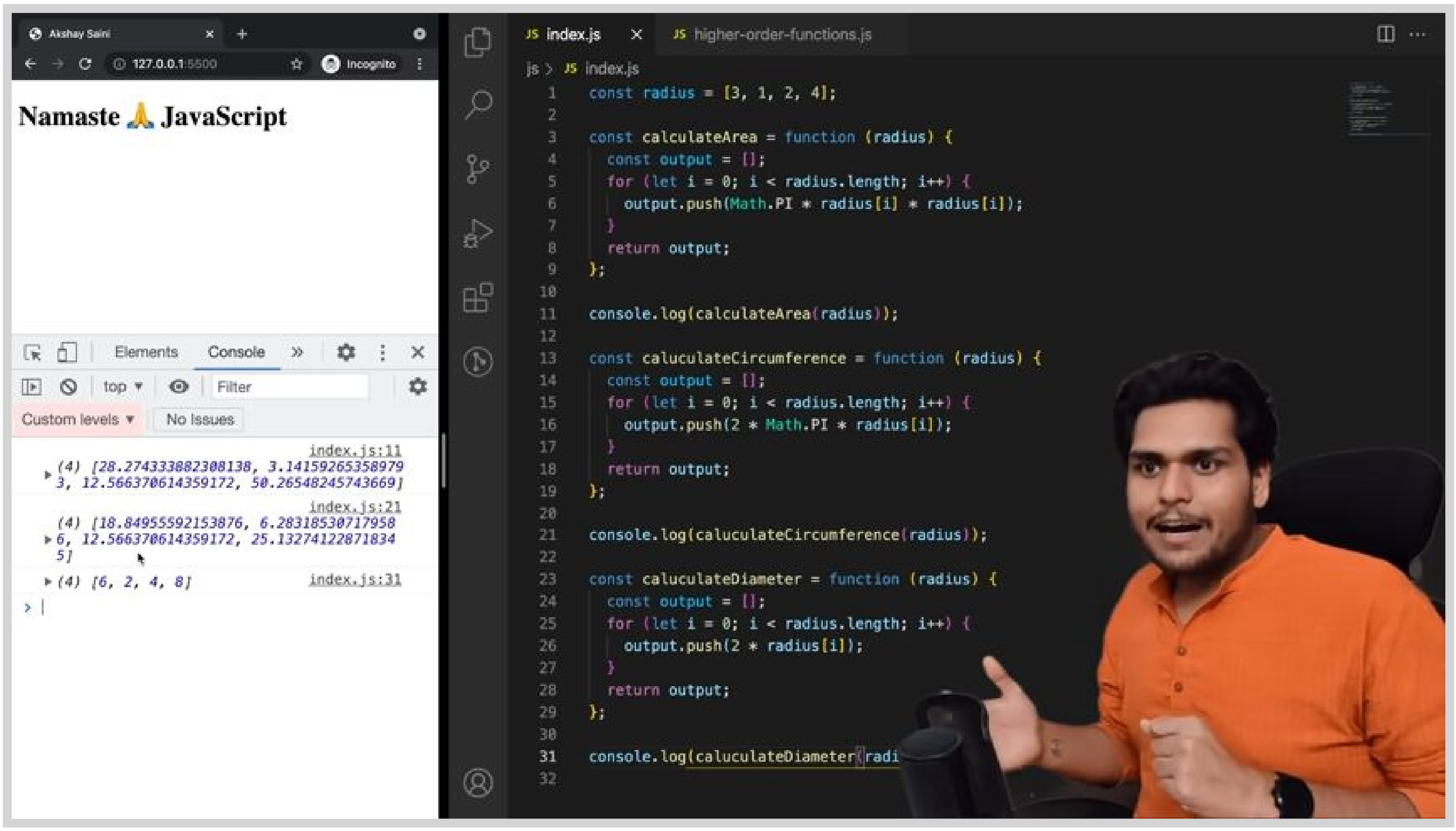


Namaste 🙏 JavaScript

```
const radius = [3, 1, 2, 4];

const calculateArea = function (radius) {
  const output = [];
  for (let i = 0; i < radius.length; i++) {
    output.push(Math.PI * radius[i] * radius[i]);
  }
  return output;
};

console.log(calculateArea(radius));
```

```
                                        index.js:11
▸ (4) [28.274333882308138, 3.141592653589793, 12.566370614359172, 50.26548245743669]
```

06:25

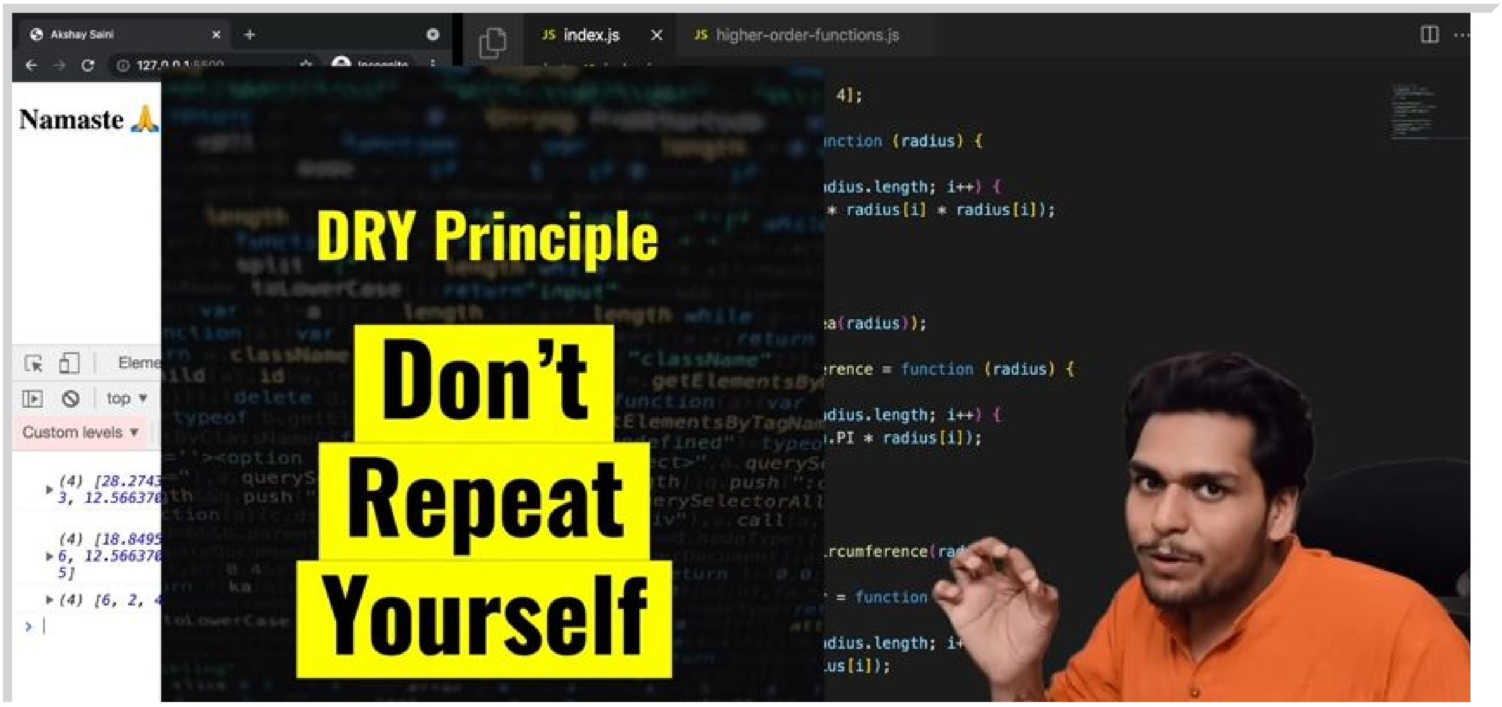


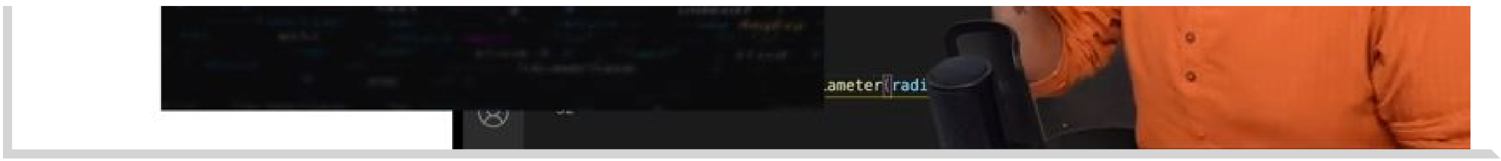
```
const radius = [3, 1, 2, 4];

const calculateArea = function (radius) {
  const output = [];
  for (let i = 0; i < radius.length; i++) {
    output.push(Math.PI * radius[i] * radius[i]);
  }
  return output;
};

console.log(calculateArea(radius));

const caluculateCircumference = function (radius) {
  const output = [];
  for (let i = 0; i < radius.length; i++) {
    output.push(2 * Math.PI * radius[i]);
  }
  return output;
};

console.log(caluculateCircumference(radius));

const caluculateDiameter = function (radius) {
  const output = [];
  for (let i = 0; i < radius.length; i++) {
    output.push(2 * radius[i]);
  }
  return output;
};

console.log(caluculateDiameter(radi
```

```
                                                    index.js:11
▸ (4) [28.274333882308138, 3.141592653589793, 12.566370614359172, 50.26548245743669]
                                                    index.js:21
▸ (4) [18.84955592153876, 6.283185307179586, 12.566370614359172, 25.132741228718345]
▸ (4) [6, 2, 4, 8]                                  index.js:31
```

the probelms here are:-

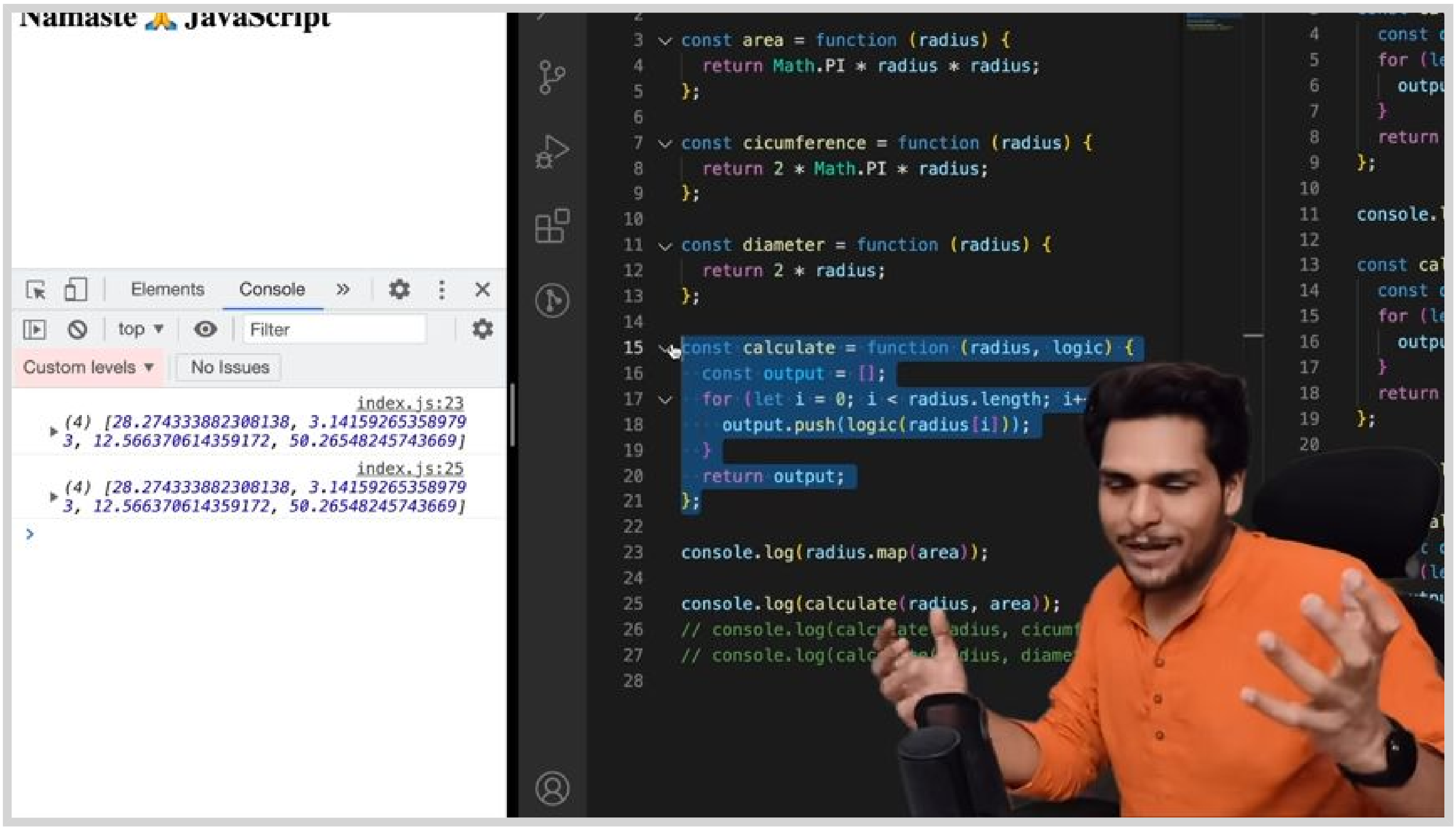
07:10





```
.ameter(radi
```

17:38



```
index.js:23
▸ (4) [28.274333882308138, 3.141592653589793, 12.566370614359172, 50.26548245743669]
index.js:25
▸ (4) [28.274333882308138, 3.141592653589793, 12.566370614359172, 50.26548245743669]
>
```

```
const area = function (radius) {
  return Math.PI * radius * radius;
};

const cicumference = function (radius) {
  return 2 * Math.PI * radius;
};

const diameter = function (radius) {
  return 2 * radius;
};

const calculate = function (radius, logic) {
  const output = [];
  for (let i = 0; i < radius.length; i+
    output.push(logic(radius[i]));
  }
  return output;
};

console.log(radius.map(area));

console.log(calculate(radius, area));
// console.log(calculate(radius, cicumf
// console.log(calc   dius, diame
```

```
  const c
  for (le
    outpu
  }
  return
};

console.

const ca
  const c
  for (le
    outpu
  }
  return
};
```