CONDITIONAL STATEMENTS: SWITCH

IN THIS LESSON

The switch syntax

Switch example

Testing switch in the JavaScript console

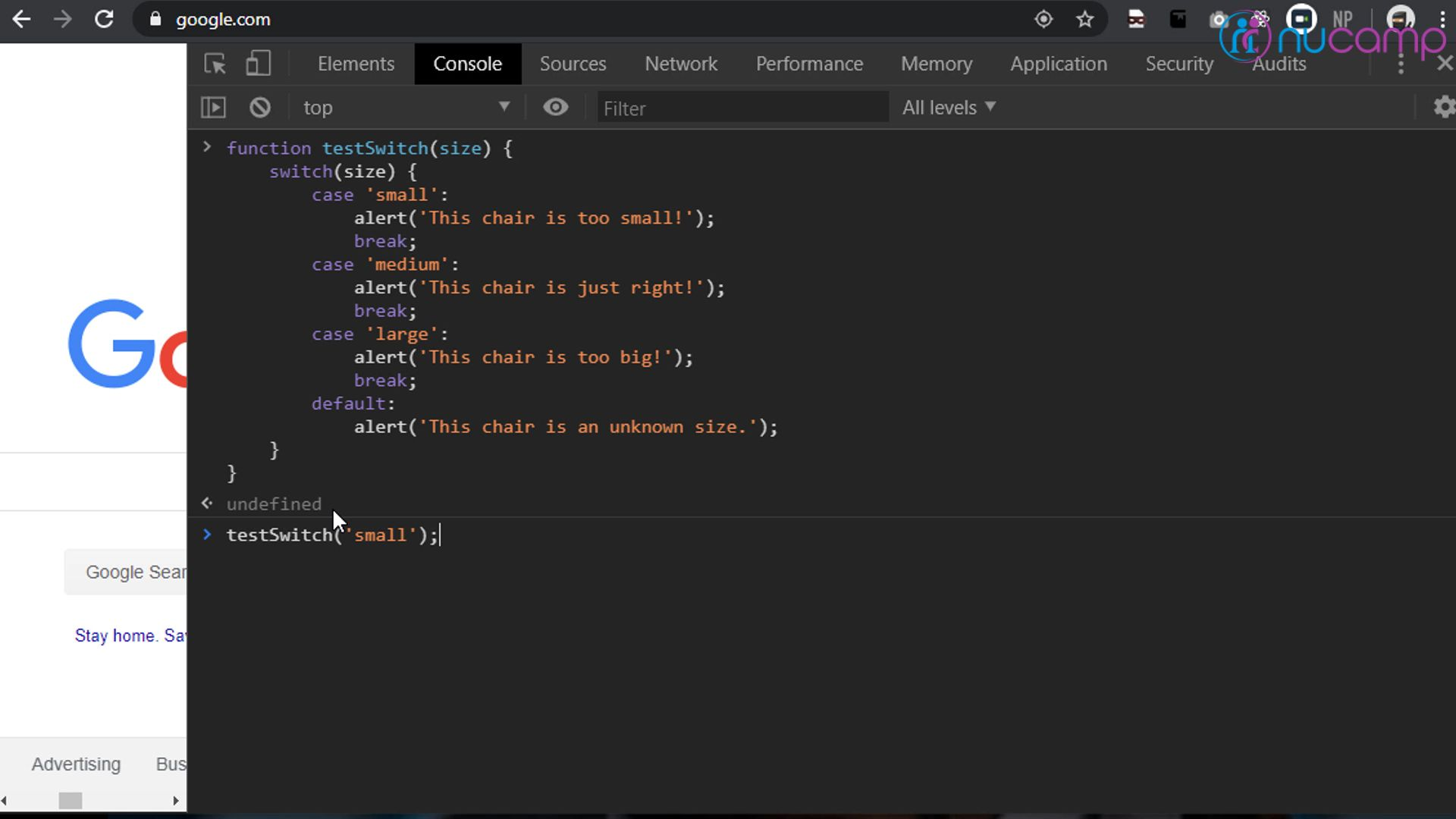Break

THE SWITCH SYNTAX
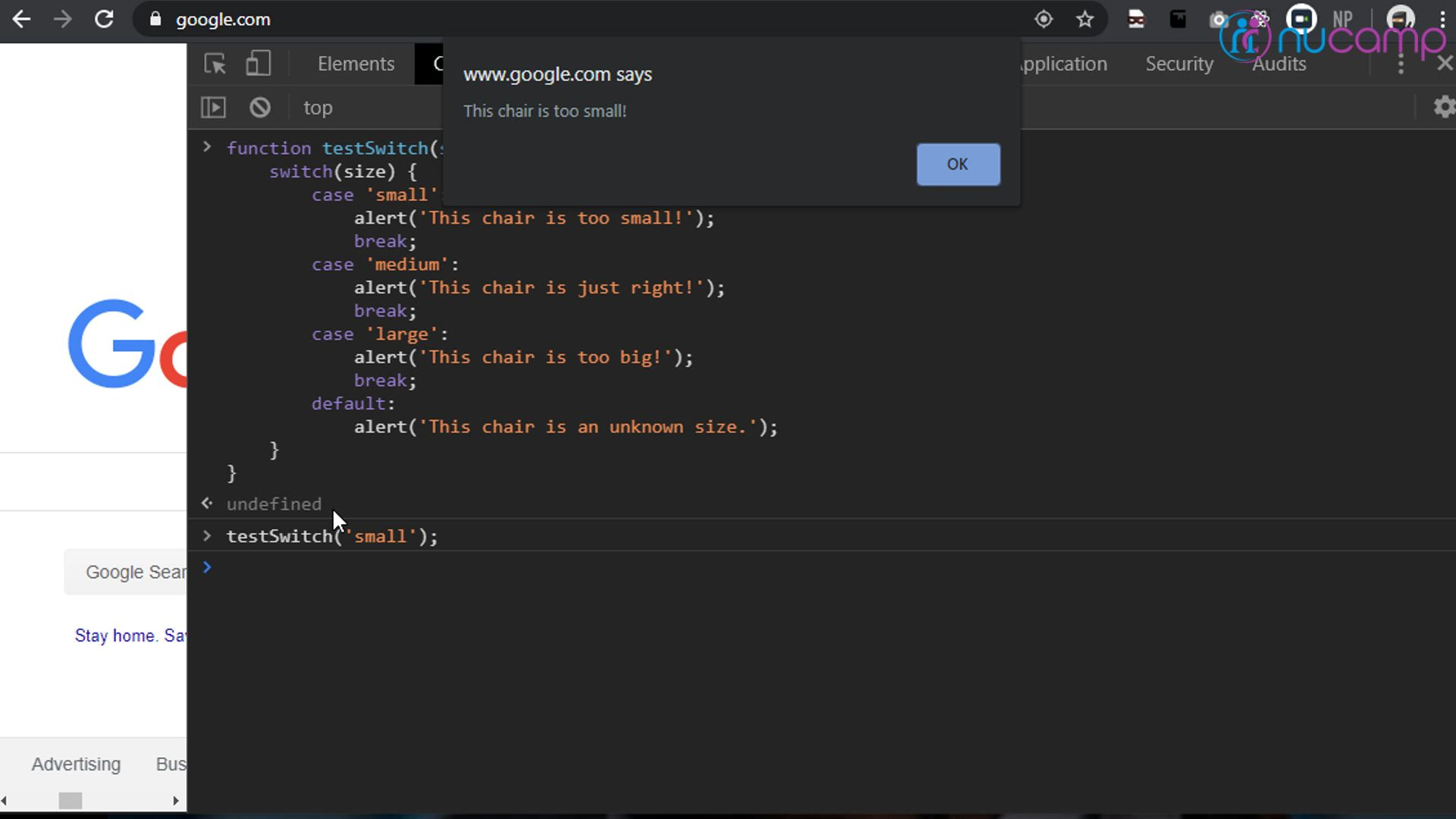
```
switch(expression) {
    case value:
        … statement(s) to begin execution at if expression matches this value …
        break;
    case value:
        … statement(s) to begin execution at if expression matches this value …
        break;
    case value:
        … statement(s) to begin execution at if expression matches this value …
        break;
    default:
        … statement(s) to execute if expression matches no case value …
}
```

SWITCH EXAMPLE

```
switch(size) {
    case 'small':
        alert('This chair is too small!');
        break;
    case 'medium':
        alert('This chair is just right!');
        break;
    case 'large':
        alert('This chair is too big!');
        break;
    default:
        alert('This chair is an unknown size.');
}
```

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```javascript
function testSwitch(size) {
    switch(size) {
        case 'small':
            alert('This chair is too small!');
            break;
        case 'medium':
            alert('This chair is just right!');
            break;
        case 'large':
            alert('This chair is too big!');
            break;
        default:
            alert('This chair is an unknown size.');
    }
}
```
⬅ undefined

`testSwitch('small');`

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www.google.com says
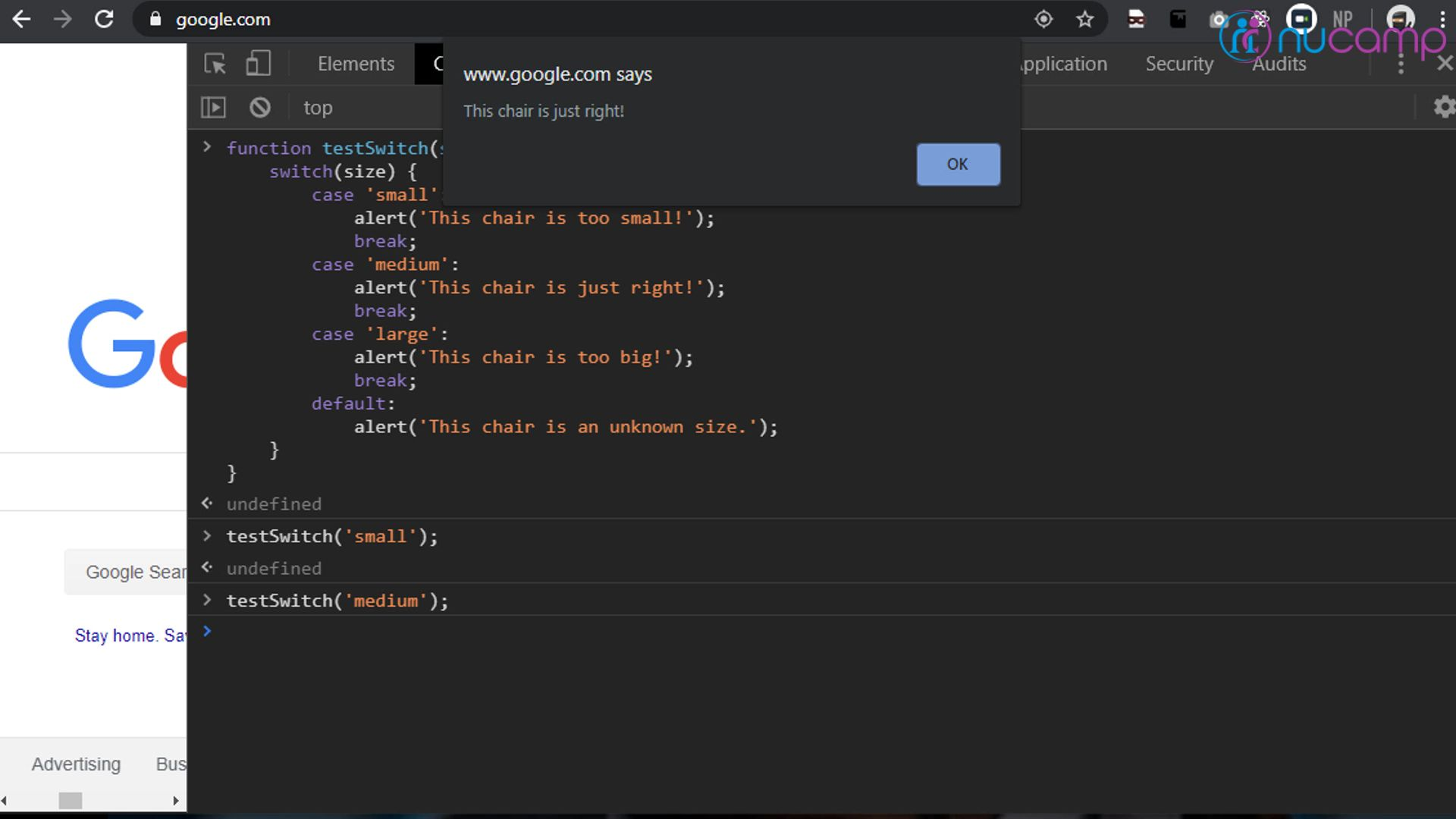
This chair is too small!

OK

```
function testSwitch(
    switch(size) {
        case 'small'
            alert('This chair is too small!');
            break;
        case 'medium':
            alert('This chair is just right!');
            break;
        case 'large':
            alert('This chair is too big!');
            break;
        default:
            alert('This chair is an unknown size.');
    }
}
```
undefined

```
testSwitch('small');
```

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This chair is just right!

OK

```
function testSwitch(s
    switch(size) {
        case 'small'
            alert('This chair is too small!');
            break;
        case 'medium':
            alert('This chair is just right!');
            break;
        case 'large':
            alert('This chair is too big!');
            break;
        default:
            alert('This chair is an unknown size.');
    }
}
undefined
testSwitch('small');
undefined
testSwitch('medium');
```
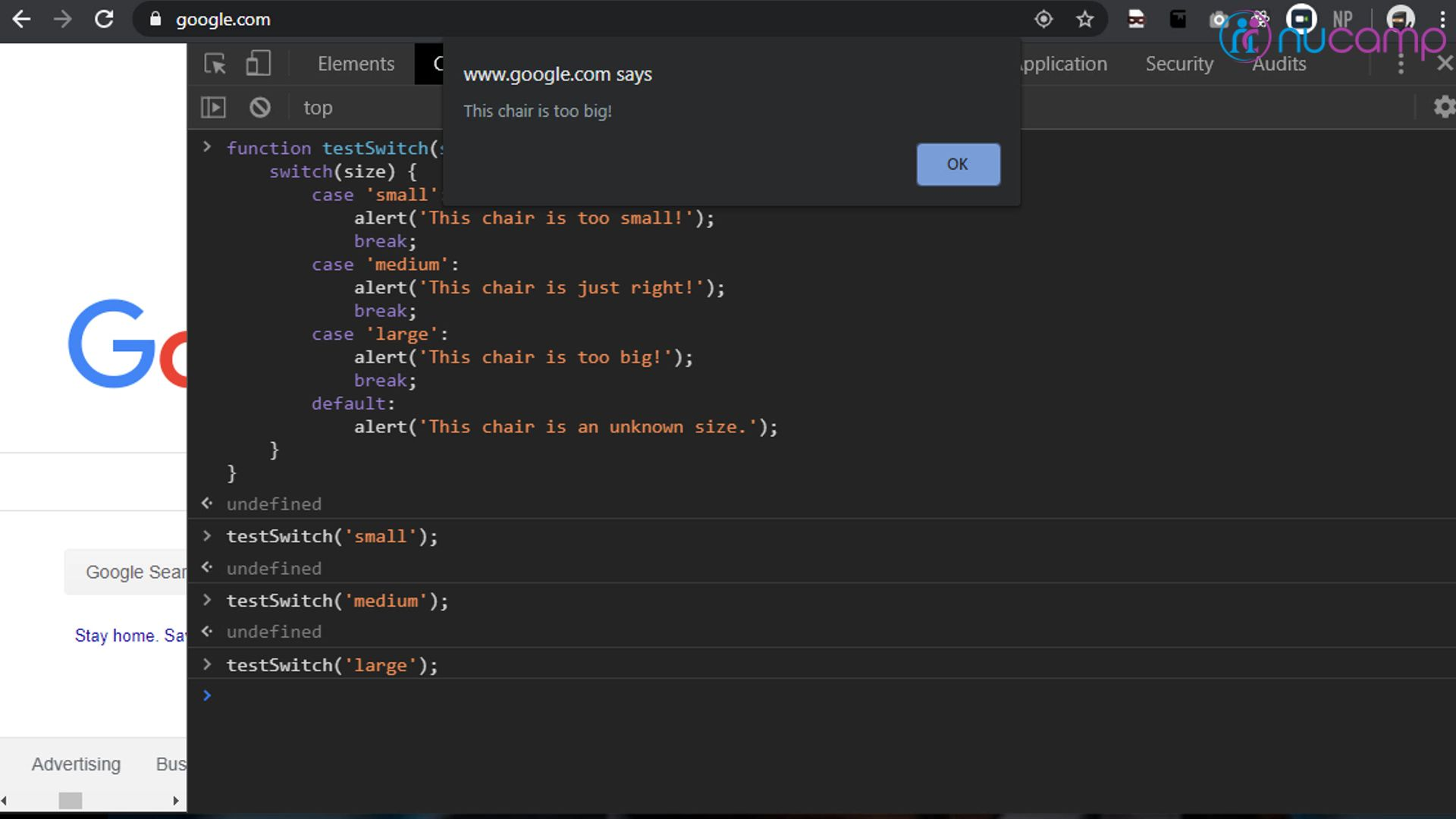
```
www.google.com says
This chair is too big!

                                          OK
```

```
> function testSwitch(
      switch(size) {
          case 'small'
              alert('This chair is too small!');
              break;
          case 'medium':
              alert('This chair is just right!');
              break;
          case 'large':
              alert('This chair is too big!');
              break;
          default:
              alert('This chair is an unknown size.');
      }
  }
< undefined
> testSwitch('small');
< undefined
> testSwitch('medium');
< undefined
> testSwitch('large');
>
```

Google Sear
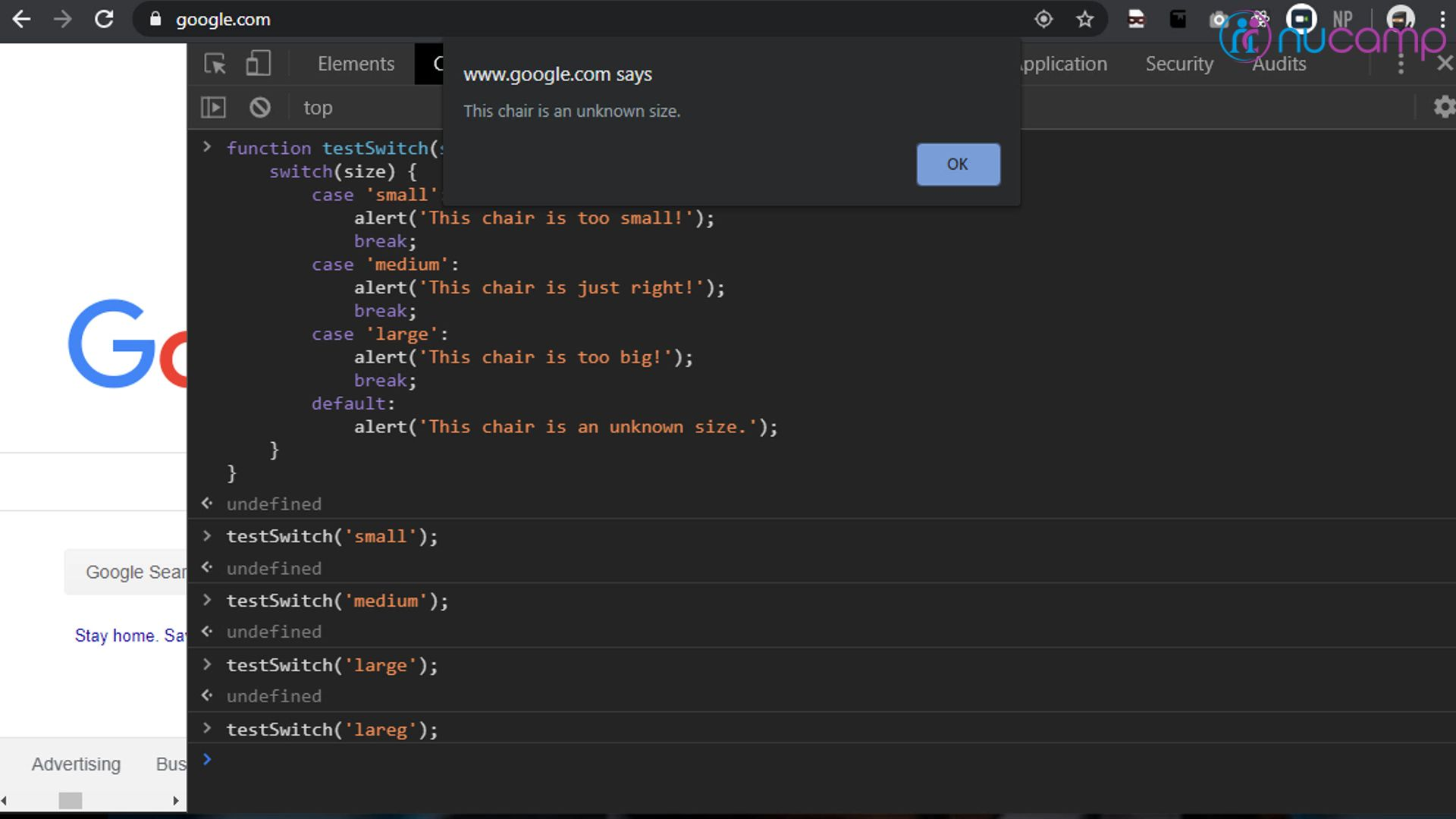
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www.google.com says

This chair is an unknown size.

OK

top

```
function testSwitch(s
    switch(size) {
        case 'small'
            alert('This chair is too small!');
            break;
        case 'medium':
            alert('This chair is just right!');
            break;
        case 'large':
            alert('This chair is too big!');
            break;
        default:
            alert('This chair is an unknown size.');
    }
}
```
undefined
```
testSwitch('small');
```
undefined
```
testSwitch('medium');
```
undefined
```
testSwitch('large');
```
undefined
```
testSwitch('lareg');
```

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BREAK

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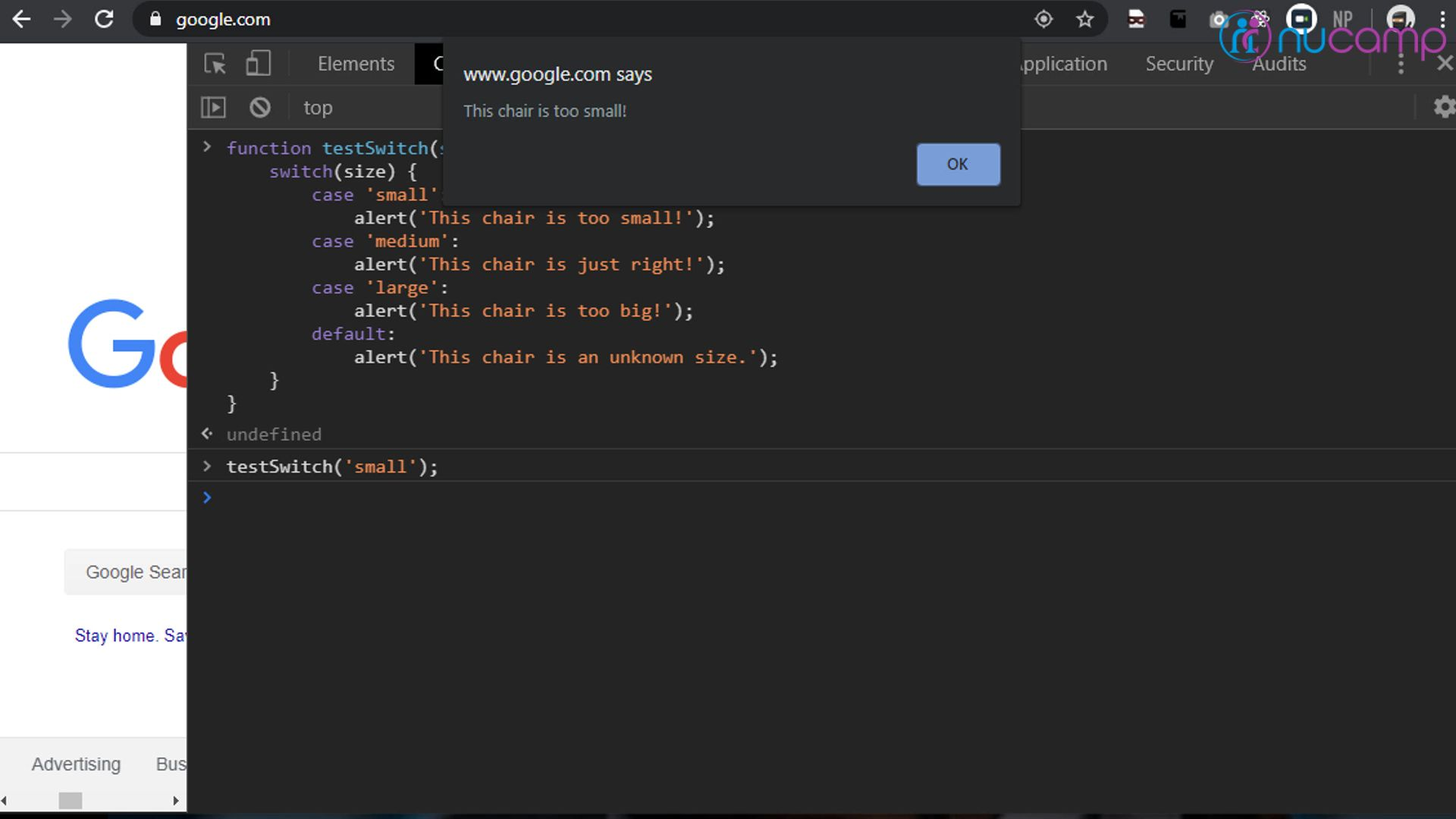Filter   All levels ▼

```
function testSwitch(size) {
    switch(size) {
        case 'small':
            alert('This chair is too small!');
        case 'medium':
            alert('This chair is just right!');
        case 'large':
            alert('This chair is too big!');
        default:
            alert('This chair is an unknown size.');
    }
}
```
undefined

>

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```
function testSwitch(s
    switch(size) {
        case 'small'
            alert('This chair is too small!');
        case 'medium':
            alert('This chair is just right!');
        case 'large':
            alert('This chair is too big!');
        default:
            alert('This chair is an unknown size.');
    }
}
```
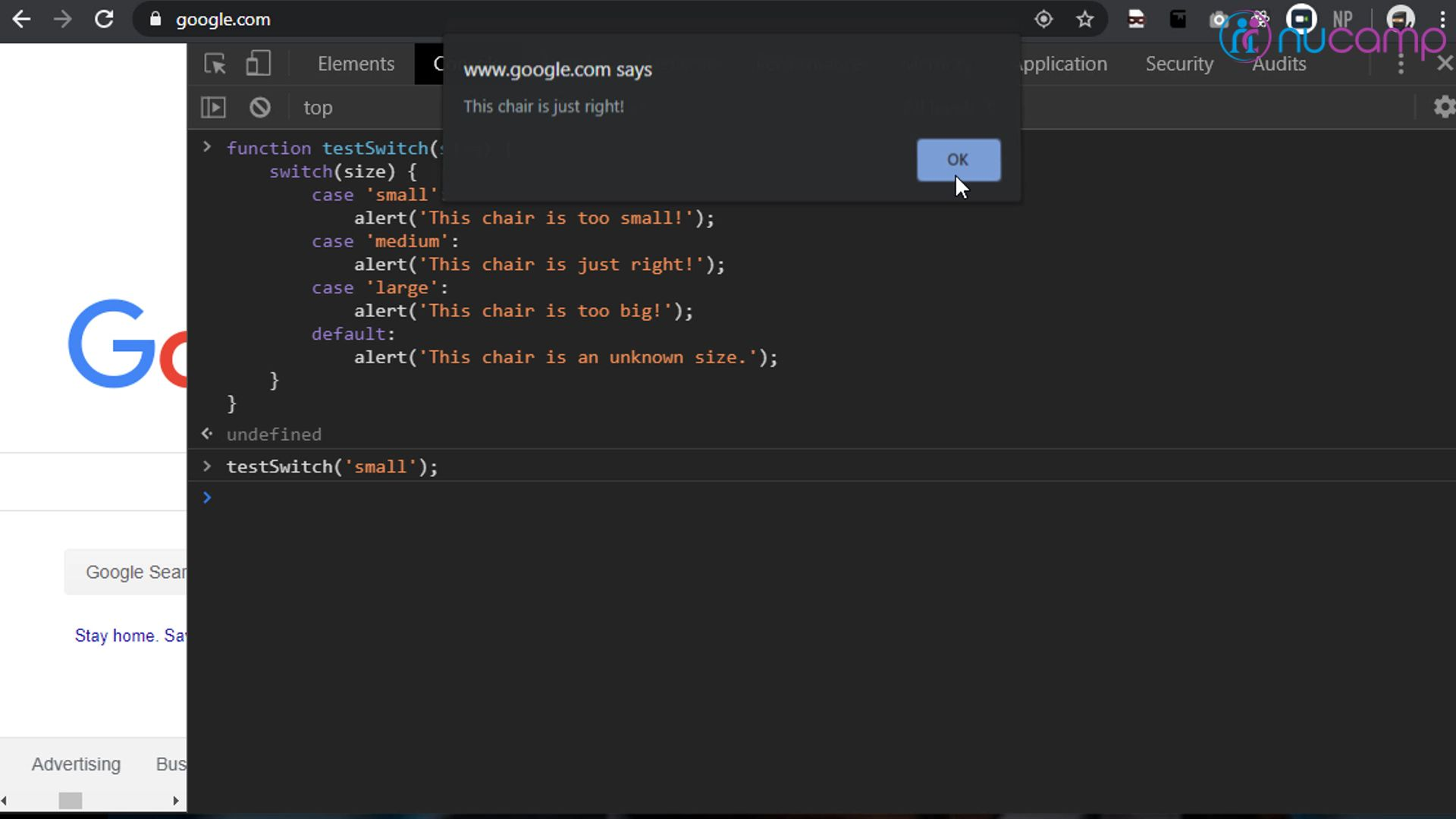
⟵ undefined

```
testSwitch('small');
```

www.google.com says

This chair is too small!

OK

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www.google.com says

This chair is just right!

OK

top

```
function testSwitch(
    switch(size) {
        case 'small':
            alert('This chair is too small!');
        case 'medium':
            alert('This chair is just right!');
        case 'large':
            alert('This chair is too big!');
        default:
            alert('This chair is an unknown size.');
    }
}
```

undefined

```
testSwitch('small');
```

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www.google.com says

This chair is too big!

OK

```
top

function testSwitch(
    switch(size) {
        case 'small'
            alert('This chair is too small!');
        case 'medium':
            alert('This chair is just right!');
        case 'large':
            alert('This chair is too big!');
        default:
            alert('This chair is an unknown size.');
    }
}
undefined
testSwitch('small');
```
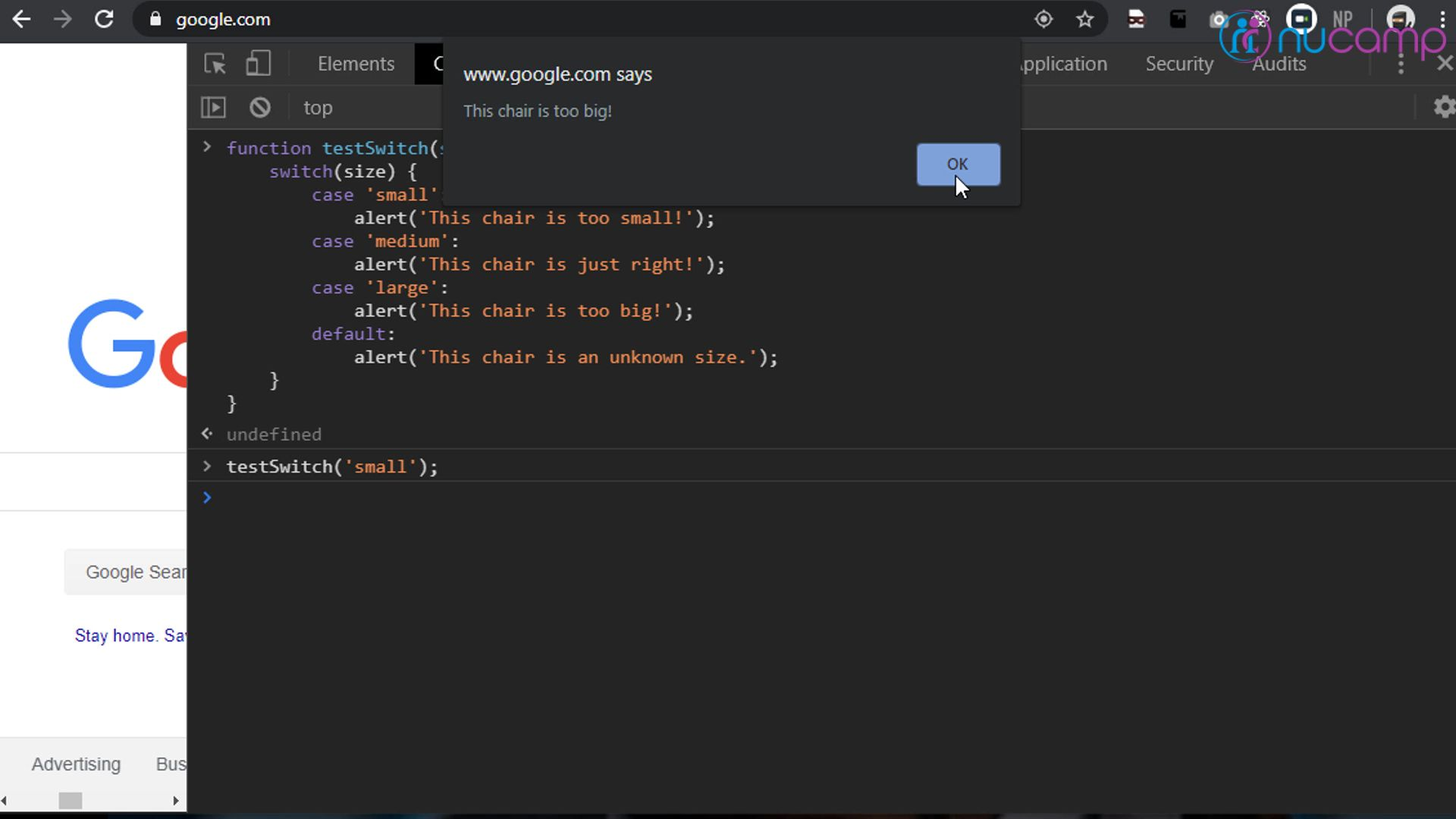
nucamp

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```
function testSwitch(
    switch(size) {
        case 'small'
            alert('This chair is too small!');
        case 'medium':
            alert('This chair is just right!');
        case 'large':
            alert('This chair is too big!');
        default:
            alert('This chair is an unknown size.');
    }
}
```
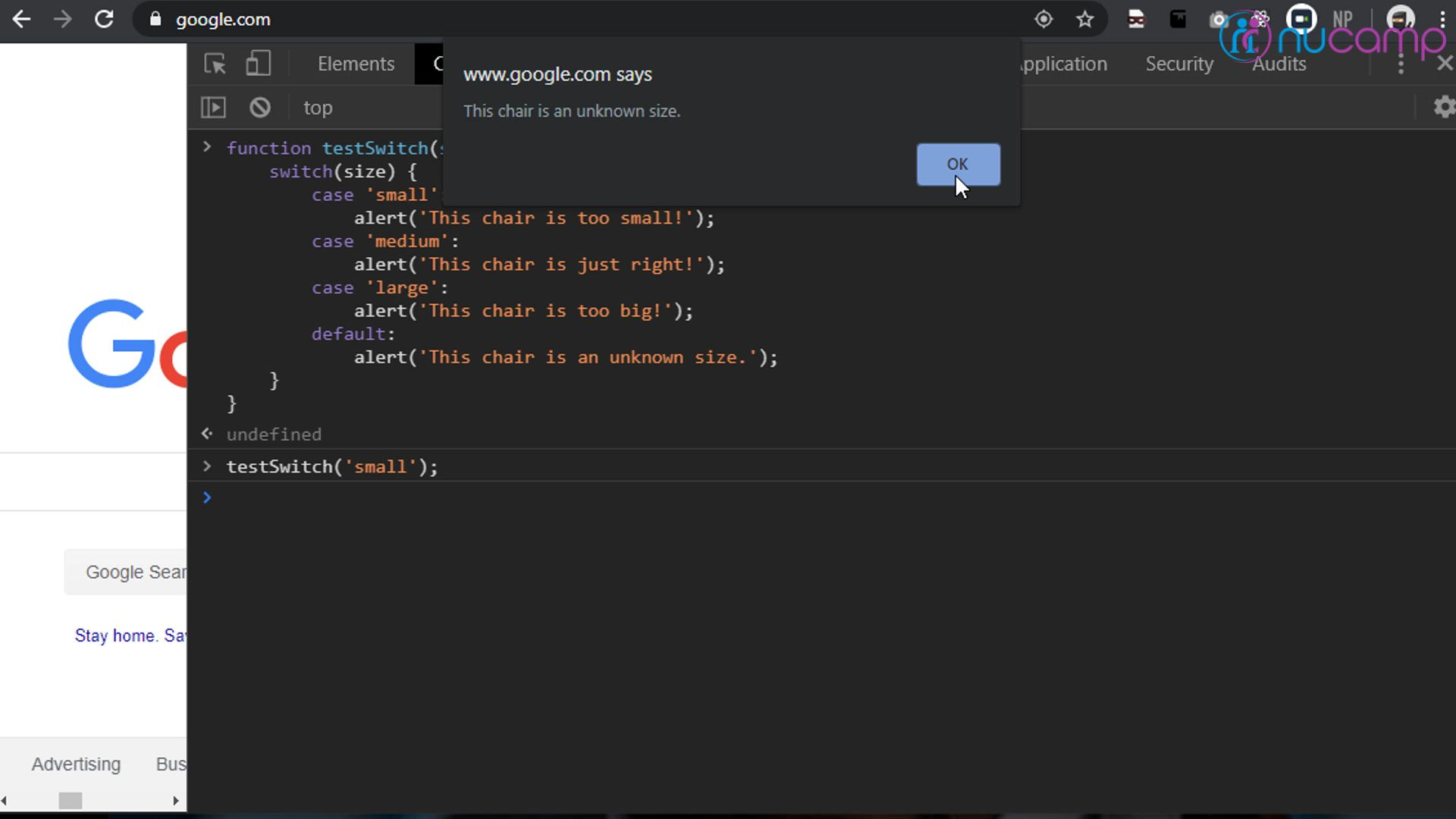undefined
```
testSwitch('small');
```

www.google.com says

This chair is an unknown size.
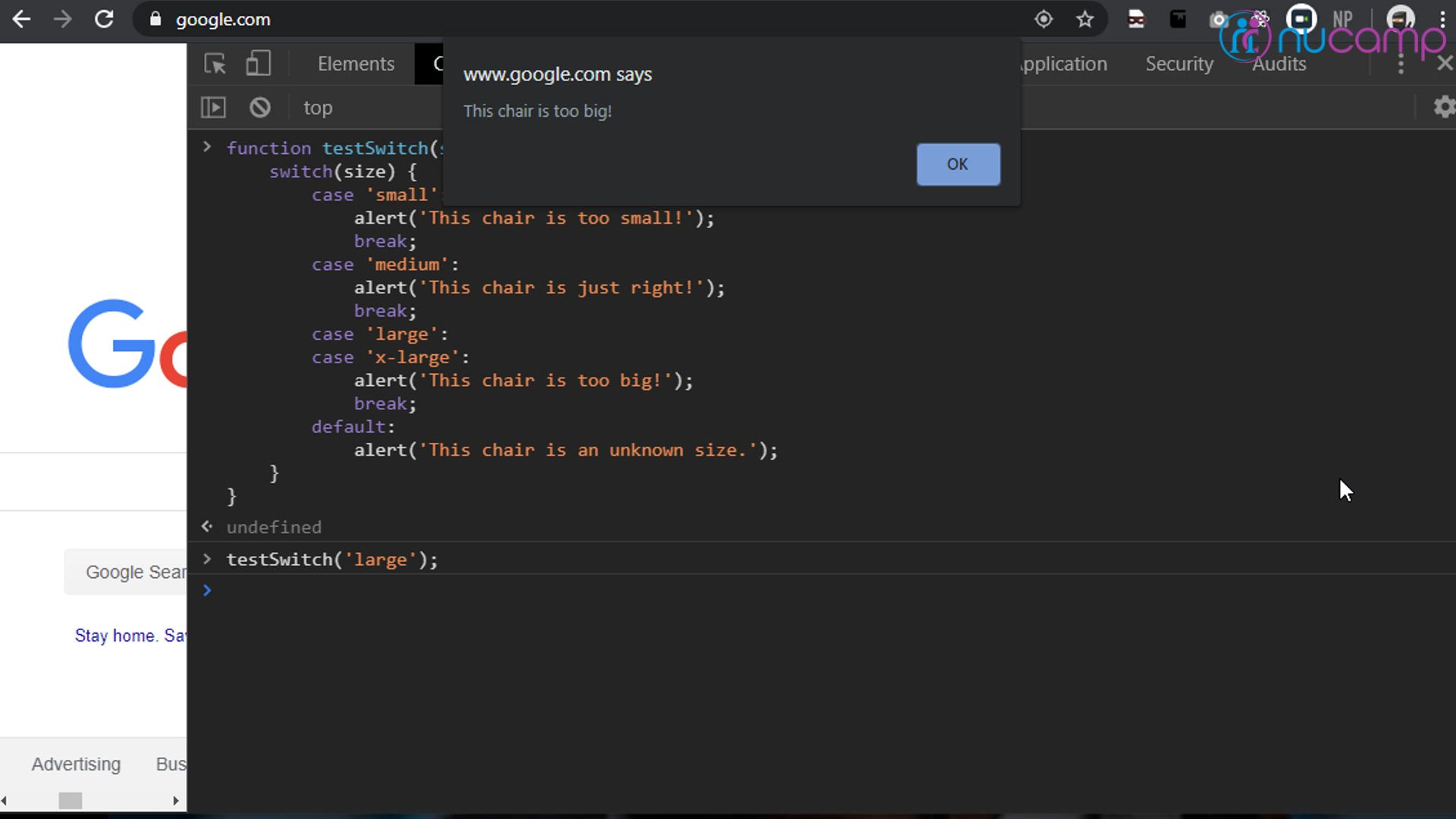
OK

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```javascript
function testSwitch(size) {
    switch(size) {
        case 'small':
            alert('This chair is too small!');
            break;
        case 'medium':
            alert('This chair is just right!');
            break;
        case 'large':
        case 'x-large':
            alert('This chair is too big!');
            break;
        default:
            alert('This chair is an unknown size.');
    }
}
undefined
```

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```
function testSwitch(s
    switch(size) {
        case 'small'
            alert('This chair is too small!');
            break;
        case 'medium':
            alert('This chair is just right!');
            break;
        case 'large':
        case 'x-large':
            alert('This chair is too big!');
            break;
        default:
            alert('This chair is an unknown size.');
    }
}
```
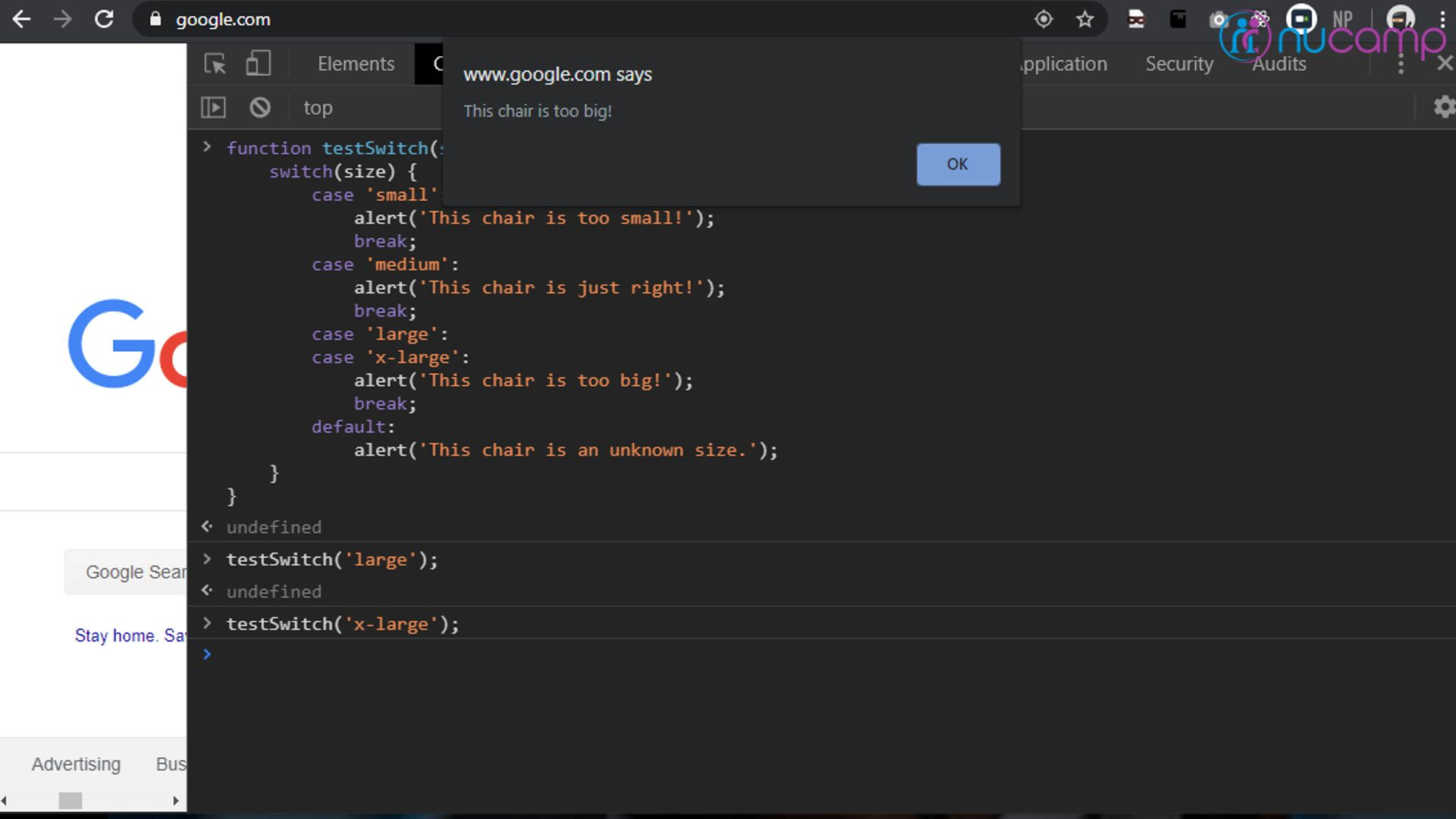< undefined
> testSwitch('large');
>

www.google.com says

This chair is too big!

OK

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www.google.com says

This chair is too big!

OK

```
function testSwitch(
    switch(size) {
        case 'small'
            alert('This chair is too small!');
            break;
        case 'medium':
            alert('This chair is just right!');
            break;
        case 'large':
        case 'x-large':
            alert('This chair is too big!');
            break;
        default:
            alert('This chair is an unknown size.');
    }
}
undefined
testSwitch('large');
undefined
testSwitch('x-large');
```
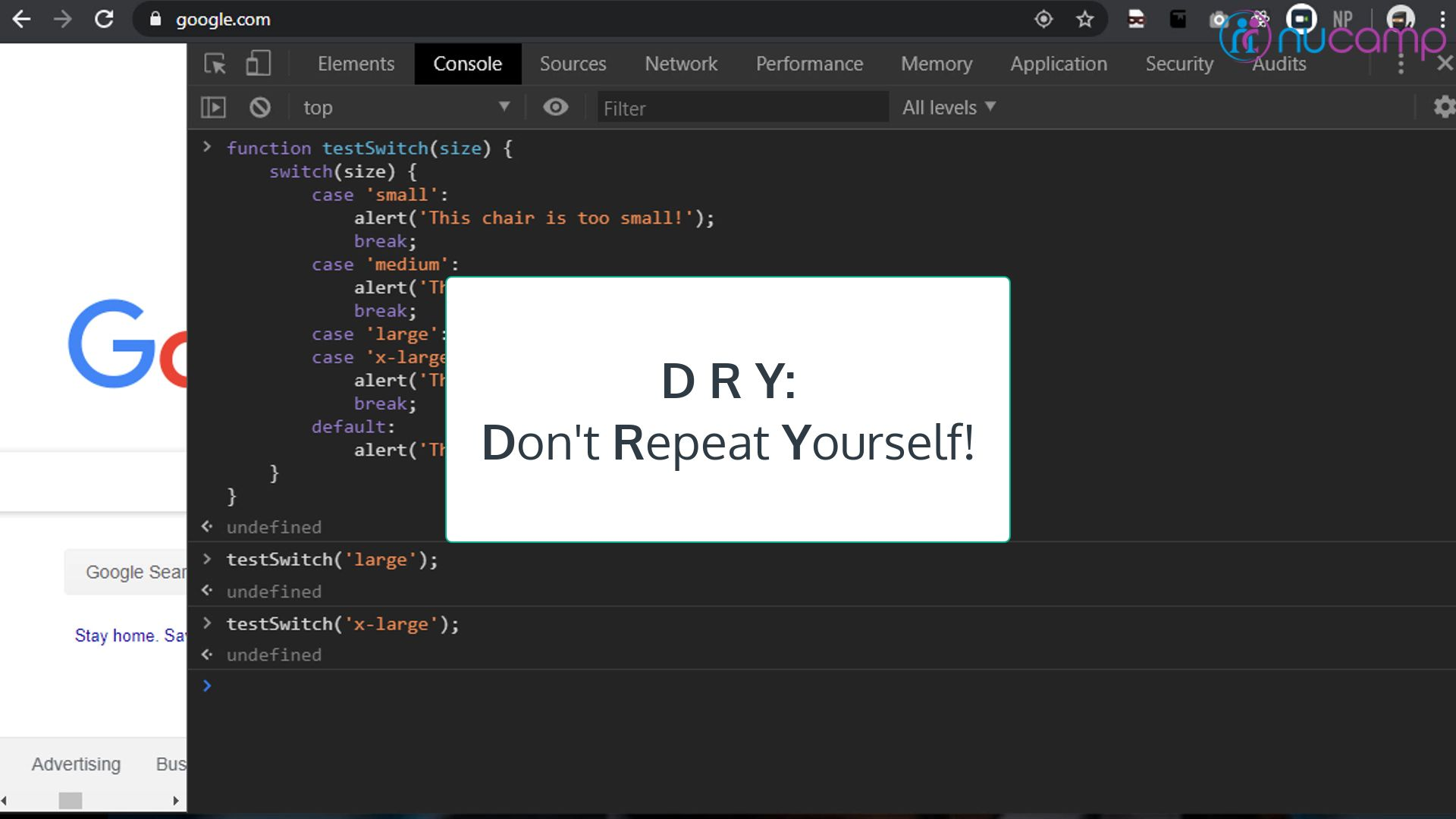
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```
function testSwitch(size) {
    switch(size) {
        case 'small':
            alert('This chair is too small!');
            break;
        case 'medium':
            alert('Th
            break;
        case 'large':
        case 'x-large
            alert('Th
            break;
        default:
            alert('Th
    }
}
```
undefined

testSwitch('large');
undefined

testSwitch('x-large');
undefined

D R Y:
Don't **R**epeat **Y**ourself!

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