

Repetition in JavaScript

The `for` loop

The for Loop

- Use to repeat a block of code.
- Also "counts"
- Here is the syntax of the `for` instruction:

```
for (start; end; counting)
{
    block;
}
```

The instructions
that are repeated

Make a variable
and initialize it

Compare
that variable to the
end value

Change the
variable to
accomplish
counting

Examples

```
1: for (var c = 0; c <= 3; c = c + 1)
    { console.log ("punka"); }
```

```
2: for (var j = 1; j <= 5; j++)
    { console.log (j); }
```

```
3: for (var i = 0; i <= 4; i = i + 2)
    { console.log (j); }
```

```
3: for (var i = 0; i <= 4; i = i + 2)
    { console.log (j); }
```

Examples

```
1: for (var c = 0; c <= 3; c = c + 1)
    { console.log ("punka");
      console.log (c); }
```

```
2: for (var e = 5; e <= 8; e++)
    { console.log ("mississippi "+e); }
```

```
3: var list = [7, 23, 100]
    for (var i = 0; i <= 2; i++)
    { console.log (list [i]); }
```