

Loops

Instead of writing commands manually

```
console.log(1);  
console.log(2);  
console.log(3);  
console.log(4);  
console.log(5);  
console.log(6);
```

Instead of writing commands manually

```
for (let i= 1; i<=6; i++){  
  console.log(i);  
}
```

Syntax

```
for (let countingVariable = 0; countingVariable < 10; countingVariable += 1){  
    //Code that runs for every step  
}
```

Syntax

```
let count = 0;  
if(count<3){  
    console.log(count);  
}count += 1;
```

```
if(count<3){  
    console.log(count);  
}count += 1;
```

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if(count<3){  
    console.log(count);  
}count += 1;
```

```
if(count<3){  
    console.log(count);  
}count += 1;
```

Syntax

```
for (let count = 0; count < 3; count++) {  
  console.log(count);  
}
```

Extra

- Counting variable can be named anything, we usually call it "i" for index
- `count++` means add 1 to count, its the same as:
 - `count += 1;`
 - `count = count + 1;`

While loops

```
let x = 0;  
while (x < 10) {  
    console.log(x);  
    x++;  
}
```


Risk

While loops run until the statement is false, if the statement never becomes false it will run forever.