

Summary

For loops – Overview

Executed once,
before the first
iteration

Condition must be
true for **loop** to
continue

Executed at the end of
each iteration

```
for(let i = 0; i < 100; i++) {  
  population *= yearlyGrowth;  
  console.log(population)  
}
```

For loops – Execution order

1. Execute
before first
iteration

```
for(let i = 0; i < 100; i++) {  
  population *= yearlyGrowth;  
  console.log(population)  
}
```

For loops – Execution order

2. Evaluate
condition,
continue if
true

```
for(let i = 0; i < 100; i++ ) {  
  population *= yearlyGrowth;  
  console.log(population)  
}
```

For loops – Execution order

```
for(let i = 0; i < 100; i++ ) {  
  population *= yearlyGrowth;  
  console.log(population)  
}
```

3. Execute
iteration

For loops – Execution order

4. Update
index

```
for(let i = 0; i < 100; i++ ) {  
  population *= yearlyGrowth;  
  console.log(population)  
}
```

For loops – Execution order

5. Evaluate condition, continue if true ...

```
for(let i = 0; i < 100; i++ ) {  
  population *= yearlyGrowth;  
  console.log(population)  
}
```

Keep going while the condition is true!