

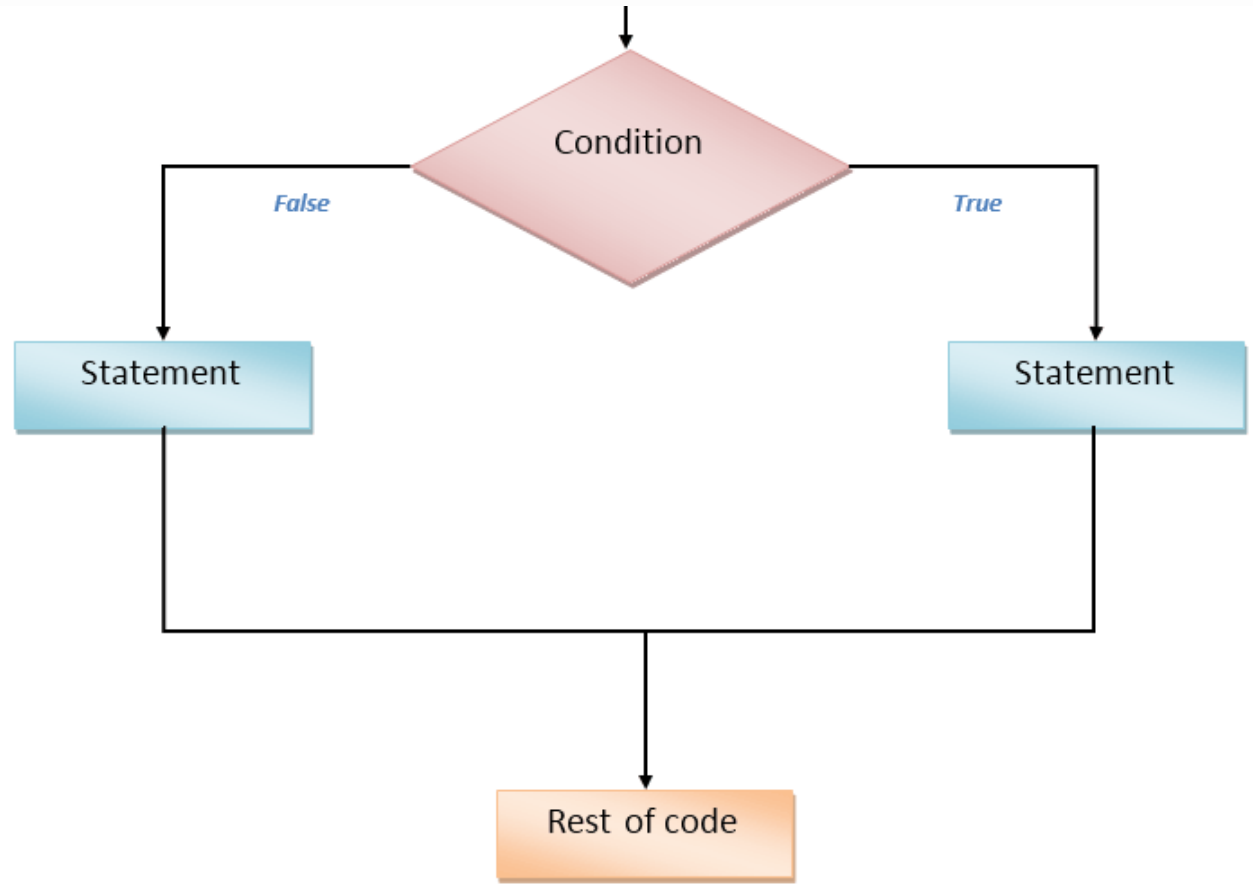
JAVASCRIPT BASICS

LOOPS

CONDITIONS



Conditions



```
const age = 15;
if (age > 18) {
  console.log("You are welcome...")
}
```

```
const age = 15;
if (age > 18) {
  console.log("You are welcome...")
} else {
  console.log("Permission denied!!")
}
```

```
const age = 15;
if (age > 18) {
  console.log("You are welcome...")
} else if (age > 10) {
  console.log("Permission denied!!")
} else {
  console.log("Go to home now..")
}
```

Exercises

1. Check if number is odd or even
2. Check if prompt variable is a number or not
3. Find the largest of three number
4. Check number is present in given range
5. Write a JavaScript conditional statement to sort three numbers.
Display an alert box to show the result.

Loops In JavaScript

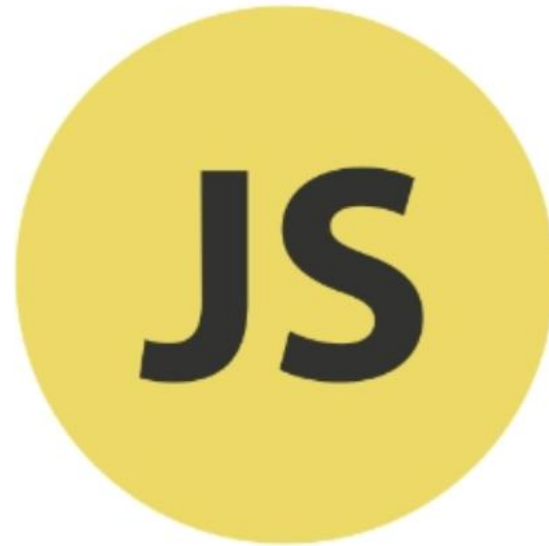
WHILE LOOP

DO-WHILE LOOP

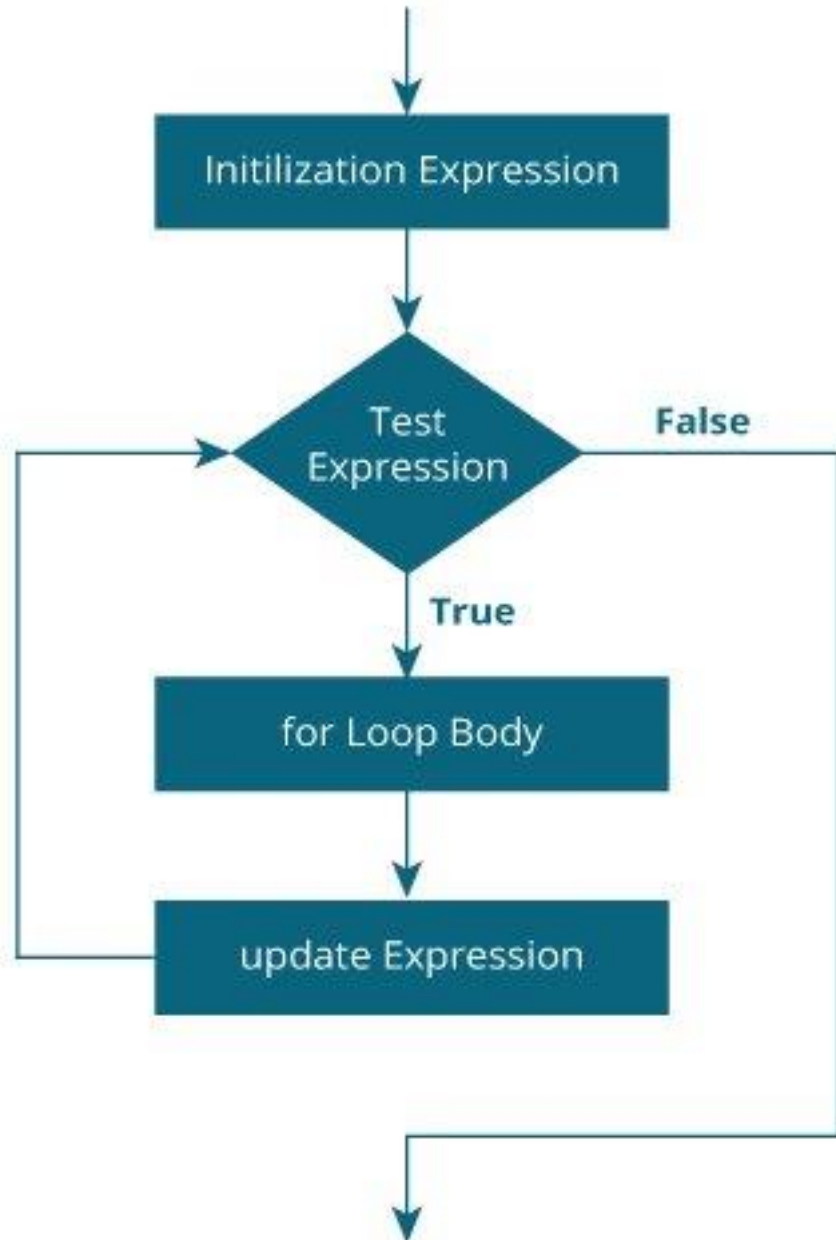
FOR LOOP

FOR-OF LOOP

FOR-IN LOOP



For Loop



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

break;
continue

Tasks

1. Print all odd numbers from 0 – 100
2. Write a JS code to find the power of a number using for loop.
3. Print given number digits using for loop.

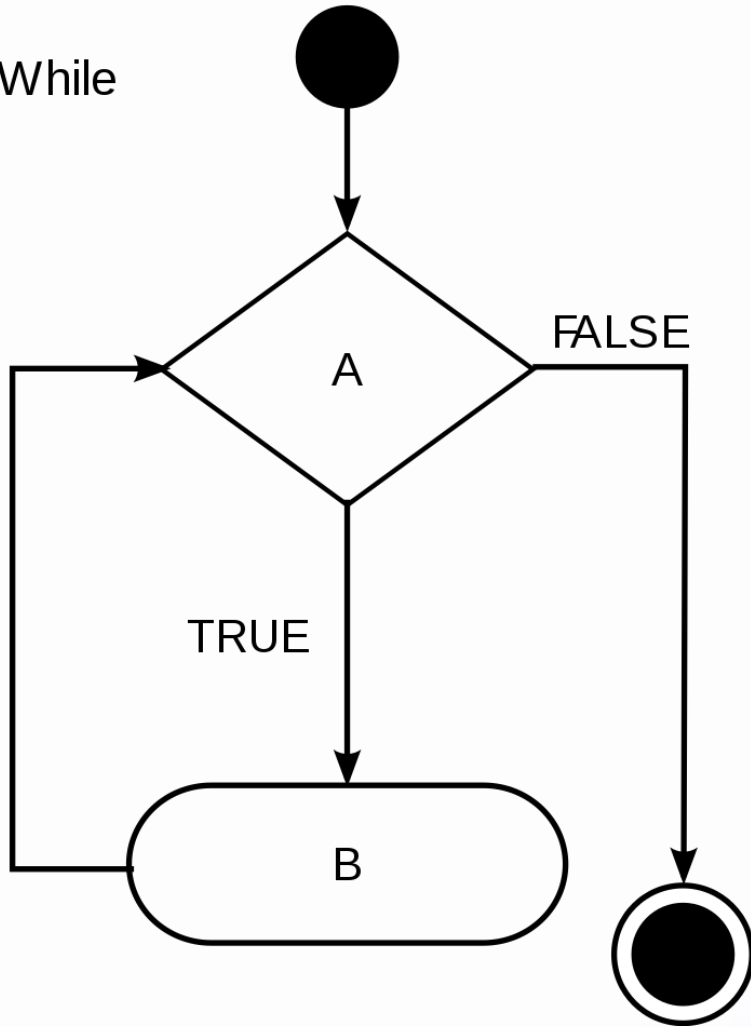
```
/* 1
   1 2
   1 2 3
   1 2 3 4
   1 2 3 4 5
   1 2 3 4 5 6
   1 2 3 4 5 6 7
   1 2 3 4 5 6 7 8 */
```

While loop

While (A = TRUE) Do

B

End While



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

```
let condition = false;
do {
    console.log("Body")
}
while (condition)
```

Tasks

1. **Write a JS code to print numbers from 1 to 10 (using while)**
2. **Greatest common divisor**
3. **Write a JS code to calculate the sum of digits in a number (using while)**