

JavaScript Core Concepts

Master the fundamentals with interactive examples

Variables & Data Types

```
let name = "Alex";
let age = 25;
let isActive = true;
```

Try It

Operations

```
let sum = 5 + 3; // 8
let isAdult = age >= 18;
let isValid = true && false;
```

Try It

Conditions

```
if (age >= 18) {
  console.log("Adult");
} else {
  console.log("Minor");
}
```

Try It

Loops

```
// For loop
for (let i = 0; i < 5; i++) {
  console.log(i);
}

// While loop
while (x > 0) {
  x--;
}
```

Try It

Functions

```
function greet(name) {
  return "Hello " + name;
}

let message = greet("Alice");
```

Try It

Day Check (if/else)

```
if (day === 1) {
  console.log("Monday");
} else if (day === 2) {
  console.log("Tuesday");
} else {
  console.log("Other day");
}
```

Try It