JavaScript Foundations for Web Development by One Year Academy

Note by: **Ahona Rahman Omi**

Contents

1 Class 2: Conditional Statements

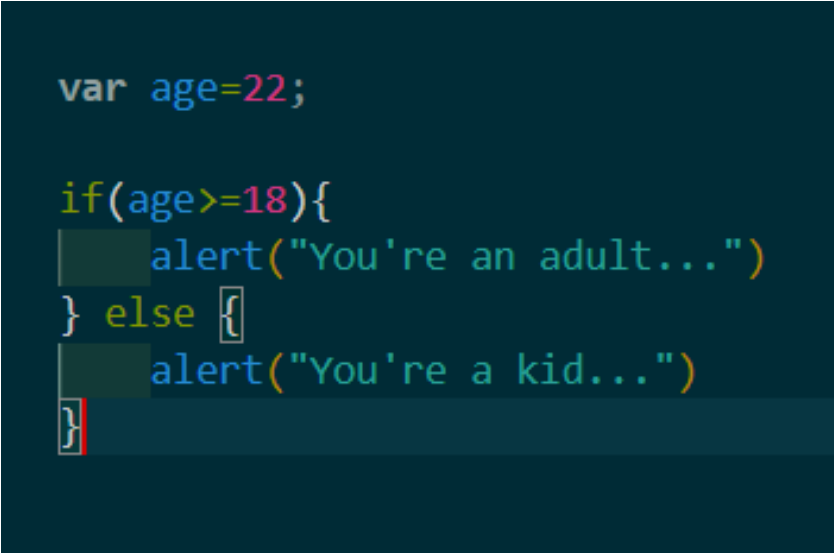Condition এর জন্য 4 ধরণের Conditional statement আছে-

- **if** -> **true** condition

- **else** -> **false** condition

- **else if** -> previous condition is not true

- **switch** -> নির্দিষ্ট অনেক **alternative blocks**

1.1 If & else

- Syntax

  if (condition) {
      // block of code to be executed if the condition is true
  } else {
      // block of code to be executed if the condition is false
  }

- Example & Output

Figure 1: **if** example
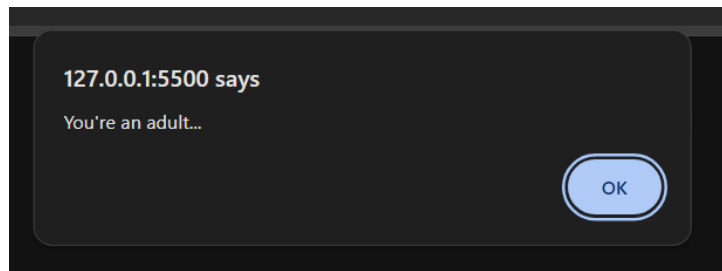
Figure 2: **if** output

Figure 3: **else** example

Figure 4: **else** output

1.2 Switch

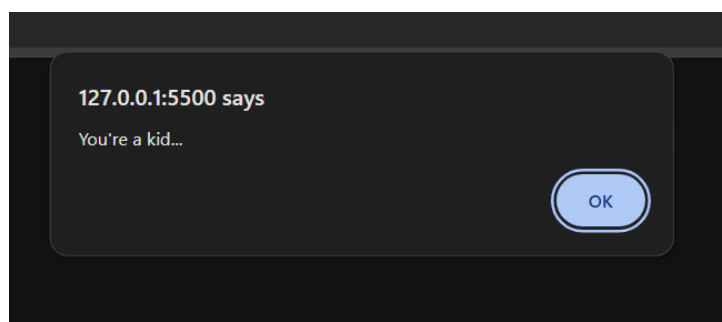- Syntax

```
switch(expression) {
  case 1:
    // code block
      break;

  case 2:
    // code block
      break;

  //... can add more cases

   default:
    // code block
}
```

- **break**: যেকোনো case মিলে গেলে পুরো loop থেকে বের করে দিবে

- **default**: কোনো case-ই না মিললে এর ভিতরের code execute হবে

- Example & Output


```javascript
var age = 22;

switch (true) {
    case (age >= 0 && age <= 1):
        alert("You're an Infant...");
        break;
    case (age > 1 && age <= 4):
        alert("You're a Toddler...");
        break;
    case (age > 4 && age <= 12):
        alert("You're a Child...");
        break;
    case (age > 12 && age <= 19):
        alert("You're a Teen...");
        break;
    case (age > 19 && age <= 39):
        alert("You're an Adult...");
        break;
    case (age > 39 && age <= 59):
        alert("You're a Middle Age Adult...");
        break;
    case (age >= 60):
        alert("You're a Senior Adult...");
        break;
    default:
        alert("Please enter a valid AGE...");
}
```

Figure 5: **switch-case** execute example

127.0.0.1:5500 says

You're an Adult...

OK
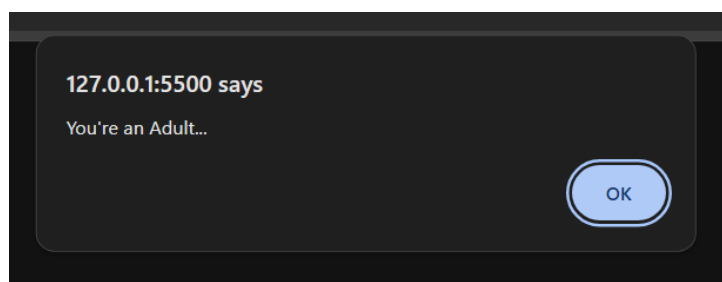
Figure 6: **switch-case** execute output

```
var age = -22;

switch (true) {
    case (age >= 0 && age <= 1):
        alert("You're an Infant...");
        break;
    case (age > 1 && age <= 4):
        alert("You're a Toddler...");
        break;
    case (age > 4 && age <= 12):
        alert("You're a Child...");
        break;
    case (age > 12 && age <= 19):
        alert("You're a Teen...");
        break;
    case (age > 19 && age <= 39):
        alert("You're an Adult...");
        break;
    case (age > 39 && age <= 59):
        alert("You're a Middle Age Adult...");
        break;
    case (age >= 60):
        alert("You're a Senior Adult...");
        break;
    default:
        alert("Please enter a valid AGE...");
}
```

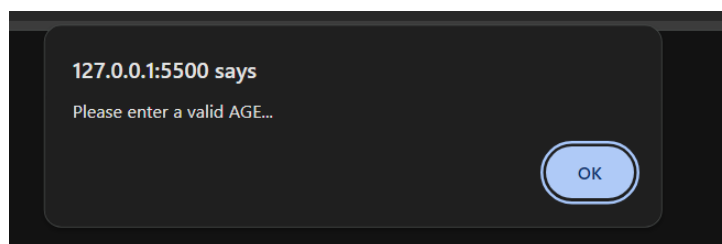Figure 7: **switch-default** execute example

127.0.0.1:5500 says

Please enter a valid AGE...

OK

Figure 8: **switch-default** execute output