JavaScript

Understanding How the Language Works

JavaScript

Flow Control

- if (condition)

- while (condition)

- for (initialize; condition; increment)

JavaScript

Flow Control

if (condition)

- Executes code when condition is true

- 'else' enables an either-or true-false execution

- Multiple 'else' statements acceptable

```
if (myVar == yourVar) {
    // execute code for true condition
} else if (myVar != "") {
    // execute code for alternative true
} else {
    // execute code for false condition
}
```

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Flow Control

while (condition)

- Executes code when condition is true

- Continually executes code until the condition is false

```
while (userName != " ") {
    // execute this block of code until
    // the value of userName is blank
}
```

JavaScript

Flow Control

for (initialize; condition; increment)

- Initialize a counter and any other variables

- Evaluate the condition before each cycle

- Increment (or decrement) counter variables accordingly

```
for (var count=1; count<=10; count++) {
    // execute this block the specified
    // number of times
}
```