

Conditional Statements

IF STATEMENT:

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

IF ELSE STATEMENT:

```
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  
}
```

IF ELSE IF STATEMENT:

```
if (condition1) {  
    // block of code to be executed if condition1 is true  
} else if (condition2) {  
    // block of code to be executed if the condition1 is false and condition2  
} else {  
    // block of code to be executed if the condition1 is false and condition2  
}
```

Practice question:

Program to find whether a person is eligible to voting or not.

Steps:

- Take age from the user,using prompt
- Age above 18 or not.
- 18 or 18+ can vote. Rest not eligible to vote.

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LOOPS

- **FOR LOOP:** It is used when we know how many times we want to execute a block of code.

```
for (initialExpression; condition; updateExpression) {  
    // code to be executed  
}
```

- **WHILE LOOP:** It is used when we want to execute a block of code as long as a specified condition is true.

```
while (condition) {  
    // code to be executed  
}
```

DO WHILE LOOP: It is used to execute a block of code at least once and continue to execute it as long as a specified condition is true.

```
do {  
    // code to be executed  
} while (condition);
```