C Programming Notes: Unit 2 - Control Flow Statements

Contents

1 Control Flow Statements

Control flow statements allow the execution of code based on certain conditions.

1.1 If Statement

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

1.2 If-Else Statement

```
if (condition) {
    // code to be executed if condition is true
} else {
    // code to be executed if condition is false
}
```

1.3 Nested If Statement

```
if (condition1) {
    if (condition2) {
        // code to be executed if both conditions are true
    }
}
```

1.4 Switch Statement

```
switch (expression) {
    case value1:
        // code to be executed if expression equals value1
        break;
    case value2:
        // code to be executed if expression equals value2
        break;
    default:
        // code to be executed if expression does not match any case
}
```