* decision-making statements

1. if-else Statement: - Used to execute one block if the condition is **true**, and another if the condition is **false**.

Syntax: -

if (condition)

{

// true block

}

else

{

// false block

}

1. if Statement: - The if statement is used to execute a block of code **only if the condition is true**.

Syntax: -

if (condition)

{

// code to be executed if condition is true

}

1. Nested if-else: - An if or else block can contain another if-else statement.

Syntax: -

if (condition1)

{

if (condition2)

{

// code if both conditions are true

}

Else

{

// code if condition1 is true but condition2 is false

}

}

Else

{

// code if condition1 is false

}

1. switch Statement: - The switch statement is used when you want to test a variable against **multiple constant values.**

**Ex: -**

switch (expression)

{

case constant1:

// code block

break;

case constant2:

// code block

break;

default:

// default block

}