

Welcome, PROGRAMMERS



01.

What is Nested if else Statement?

What is

Nested if else
statement?



Selection Structure (Conditional Statements)

Allows the program to **make decisions** and **execute different blocks of code based on specified conditions**.

```
if statement if  
else statement  
ladder statement  
nested statements  
ternary statement  
switch case
```



Let's see **Nested if else Statements** in detail...



Nested If else statement

if (condition) { } else { }

Note: Keep in mind that the structure of nested if else statements may vary depending on the given problem definition.

```
if(condition) { } else { }
```

```
if(condition) { } else { }
```



02.

What is Flowchart?

What is

Flowchart?



flowchart



A flowchart is a **graphical representation of a process or algorithm**.

It **uses different shapes** to represent different types of steps, decisions, and actions involved in a process.

Flowcharts are widely used in various fields, including computer programming, business processes, engineering, and education, to visually depict and document the flow of a process.



Purpose of flowchart

Visualization

Communication

Documentation

**Analysis and
Optimization**

Key elements of flowchart

Shapes

Oval,
Rectangle,
Diamond,
Parallelogram

Arrows & Lines

Arrows connecting
different shapes show
the sequence and
direction of steps in
the process.

Connectors

Small, labeled circles
or rectangles can be
used to connect lines,
indicating that the flow
continues on another
part of the page.








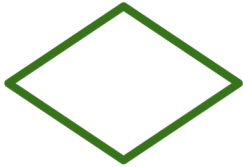


Let's see Commonly Used **Shapes** in Flowchart...



Shapes in Flowchart

Shape	Name	Description
	Start/End symbol Oval	Used to represent the start or end of a process.
	Process symbol	Represents a process or action.
	Input/Output symbol Parallelogram	Represents input or output operations.

Shapes in Flowchart

Shape	Name	Description
	Decision symbol	Indicates a decision or branching point where a question is asked, and the flow may diverge based on the answer.
	Connector symbol	Used to connect lines, indicating that the flow continues on another part of the page.
	Comment/Note symbol	This symbol adds needed explanation or comments within the specified range.

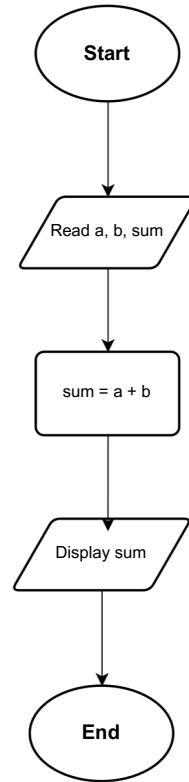




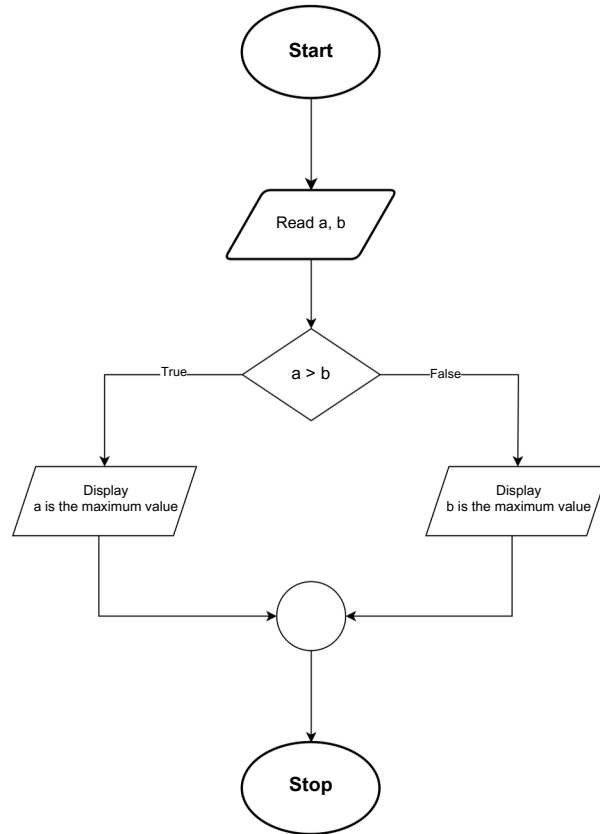
Let's see some examples of Flowcharts...



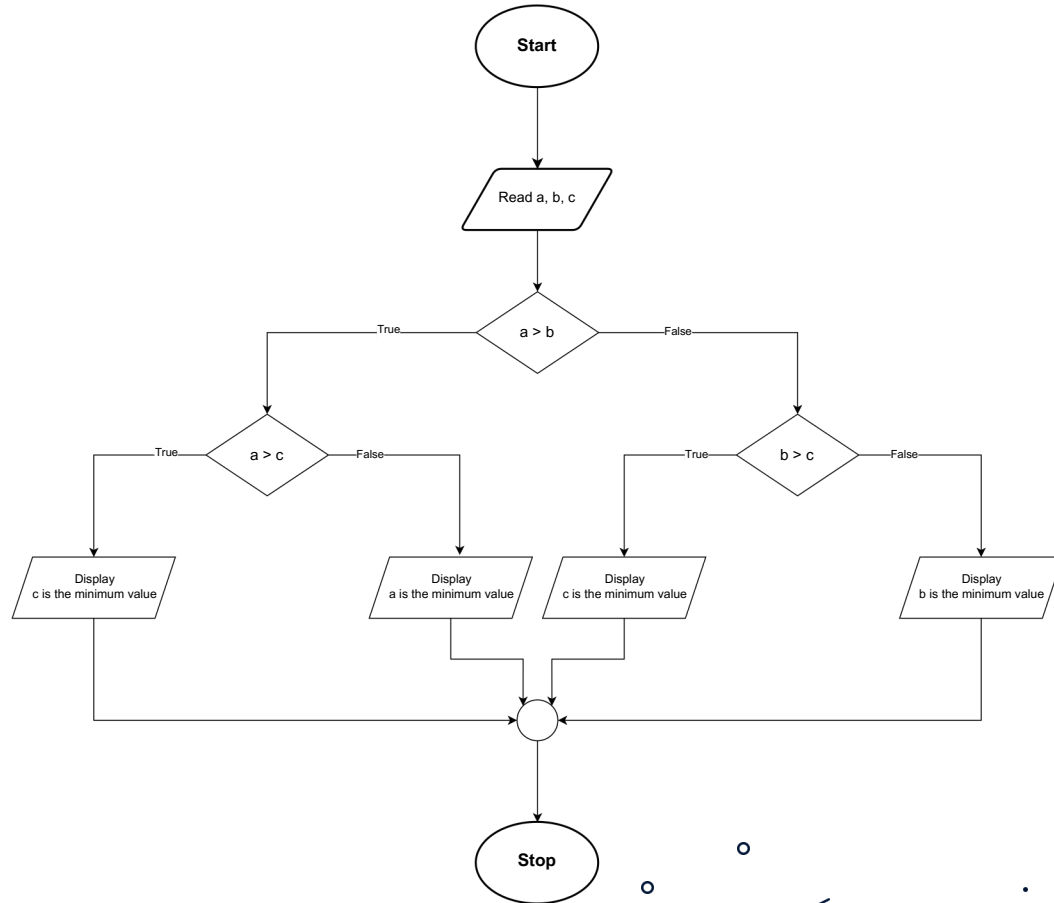
Flow chart of finding sum of two numbers



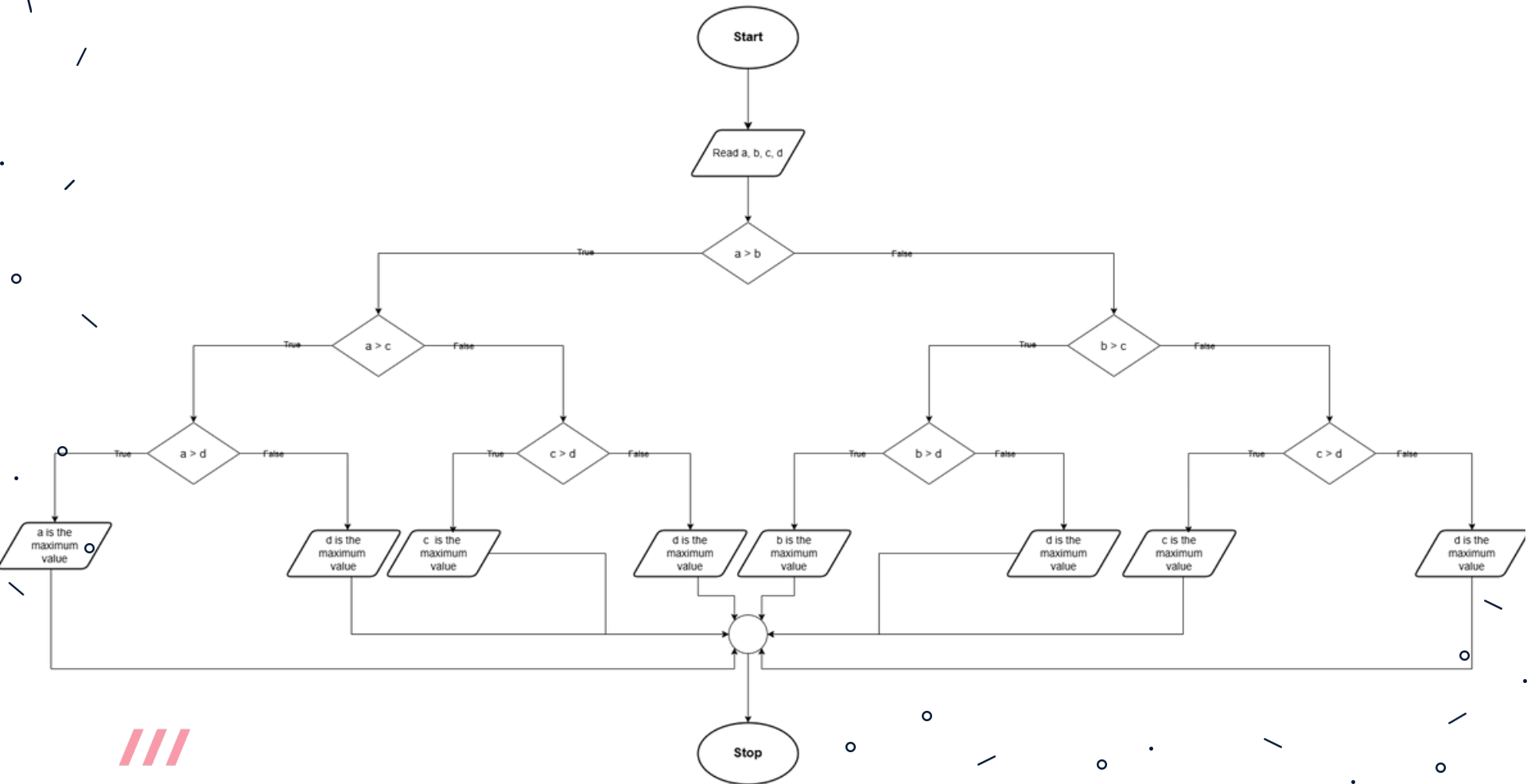
*Flow chart of the finding a
maximum from two numbers*



Flow chart of the finding a minimum from three numbers



Flow chart of the finding a maximum from four numbers





Language

Let's start now...

