Table of contents

Press Escape key to exit fullscreen.

01
Selection Structure

Nested statement

02
Flowchart

Flowchart Shapes & Creation

01
Selection Structure

Nested statement

Nested statement

```
if (condition)
{
    if(condition) {} else {}
}
else
{
    if(condition) {} else {}
}
```
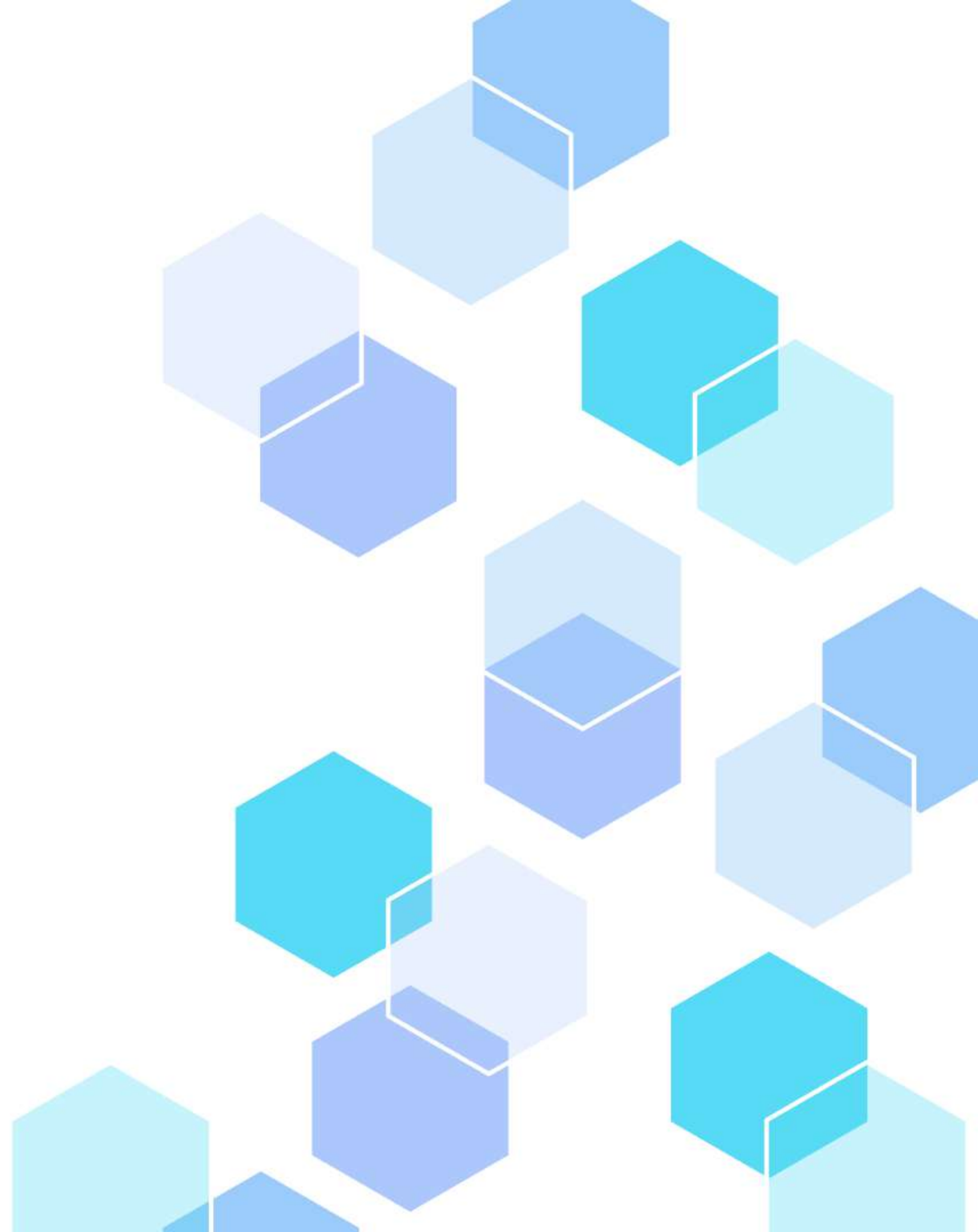
Note: Keep in mind that the structure of nested if else statements may vary depending on the given problem definition.

02
Flowchart

Flowchart Shapes & Creation

RED & WHITE
SINCE 2008
SKILL EDUCATION
SHAPING SKILLS FOR SCALING HIGHER...!!!

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.

Key elements of Flowchart

Shapes

Oval,
Rectangle,
Diamond,
Parallelogram

Arrows & Lines

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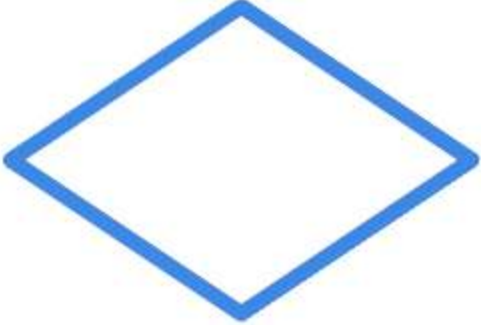direction of steps in the
process.

Connectors

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

Shapes in Flowchart

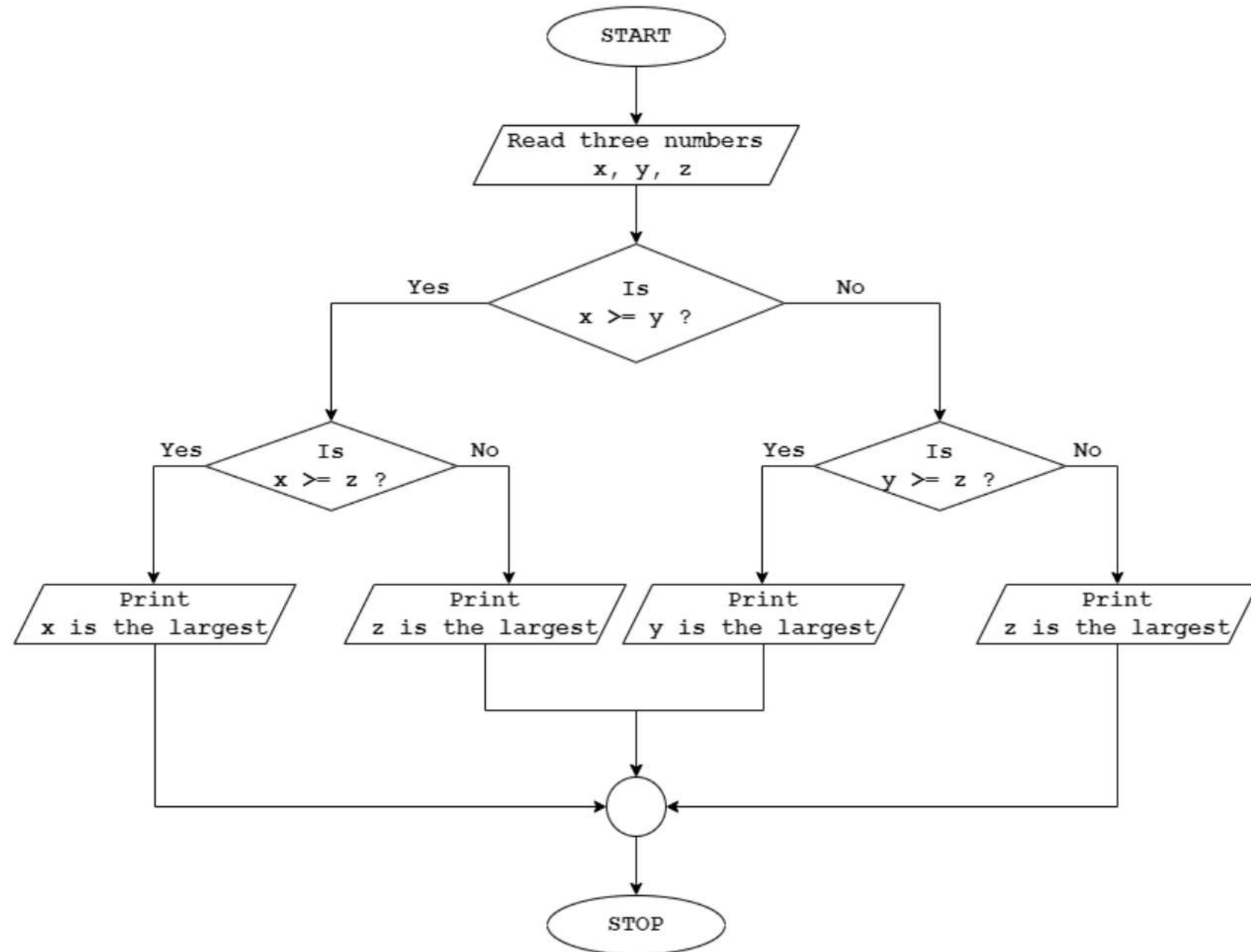| Shape	Name	Description
	Start/End symbol Oval	Used to represent the start or end of a process.
	Process symbol	Represents a process or action.
	Input/Output symbol Parallelogram	Represents input or output operations.

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.

Flowchart to find the largest among three numbers

Example

START

Read three numbers
x, y, z

Is
x >= y ?

Yes   No

Is
x >= z ?

Yes   No

Is
y >= z ?

Yes   No

Print
x is the largest

Print
z is the largest

Print
y is the largest

Print
z is the largest

STOP

TL;DR

Selection Structure

- Allows the program to make decisions.

- Execute different blocks of code based on specified conditions.

- I.e., Nested statement (Structure varies depending on problem definition)

Flowchart

- A graphical representation of a process or algorithm.

- Different shapes used to represent different types of steps, decisions, and actions involved in a process.

- Key elements of Flowcharts: Shapes, Arrows, Lines, and Connectors