**What is Cyclomatic Complexity?**

Cyclomatic complexity is a source code complexity measurement that is being correlated to a number of coding errors. It is calculated by developing a Control Flow Graph of the code that measures the number of linearly-independent paths through a program module.

Lower the Program’s cyclomatic complexity, lower the risk to modify and easier to understand. It can be represented using the below formula:

\[
\text{Cyclomatic complexity} = E - N + P
\]

where,
- \(E\) = number of edges in the flow graph.
- \(N\) = number of nodes in the flow graph.
- \(P\) = number of nodes that have exit points

**Example:**

```plaintext
IF A = 10 THEN
  IF B > C THEN
    A = B
  ELSE
    A = C
  ENDIF
ENDIF
Print A
Print B
Print C
```

**FlowGraph:**

![Control Flow Graph](image)
The Cyclomatic complexity is calculated using the above control flow diagram that shows seven nodes and eight edges, hence the cyclomatic complexity is $8 - 7 + 2 = 3$. 