



Sir C.R.Reddy (A) College

Aided & Autonomous

ELURU-534 007, W.G.DIST. A.P., INDIA

Affiliated to Adikavi Nannaya University, Rajamahendravaram

***THRICE ACCREDITED AT 'A' LEVEL BY NAAC, BANGALURU :: COLLEGE WITH POTENTIAL FOR EXCELLENCE
An ISO 9001:2015 Certified Institution***

Core JAVA

Siva Krishna Siripurapu

Siripurapusivakrishna29@gmail.com

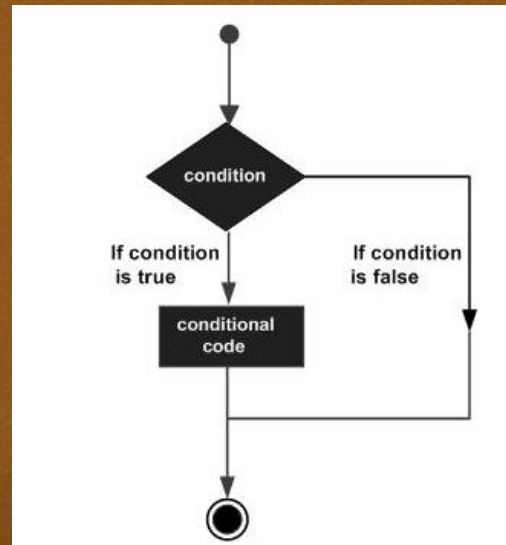
Department of Computer Science



JAVA - DECISIONS

Decision making structures have one or more conditions to be evaluated or tested by the program, along with a statement or statements that are to be executed if the condition is determined to be true, and optionally, other statements to be executed if the condition is determined to be false.

Following is the general form of a typical decision making structure found in most of the programming languages –





JAVA - DECISIONS

Java programming language provides following types of decision making statements. Click the following links to check their detail.

S.No.	Statement & Description
1	if statement An if statement consists of a boolean expression followed by one or more statements.
2	if...else statement An if statement can be followed by an optional else statement , which executes when the boolean expression is false.
3	nested if statement You can use one if or else if statement inside another if or else if statement(s).
4	switch statement A switch statement allows a variable to be tested for equality against a list of values.

The ? : Operator

We have covered **conditional operator ? :** in the previous chapter which can be used to replace **if...else** statements. It has the following general form – `Exp1 ? Exp2 : Exp3;`



JAVA - DECISIONS

Where Exp1, Exp2, and Exp3 are expressions. Notice the use and placement of the colon.

To determine the value of the whole expression, initially exp1 is evaluated.

- If the value of exp1 is true, then the value of Exp2 will be the value of the whole expression.
- If the value of exp1 is false, then Exp3 is evaluated and its value becomes the value of the entire expression.

What is Next?

In the next chapter, we will discuss about Number class (in the java.lang package) and its subclasses in Java Language.

We will be looking into some of the situations where you will use instantiations of these classes rather than the primitive data types, as well as classes such as formatting, mathematical functions that you need to know about when working with Numbers.



JAVA - DECISIONS

Thank You !