### **Switch Statements**

This lesson discusses switch statements in C# using an example

# WE'LL COVER THE FOLLOWING ^ Switch Case Example Code Explanation

### Switch Case #

Typically this is required when based on different values of a particular expression, different actions need to be performed. The basic construct of a switch case looks as follows:

```
switch (expression)
{
  case constant-expression:
    statement
    jump-statement
  default:
    statement
    jump-statement
}
```

- In code block above the expression can have multiple values. Essentially:
  - o string
  - integer
- case section with constant-expression can have the value as
  - constant
  - o expression that results in a constant

- This decides to which **case statement** control will transfer
- The default section is optional and only gets executed when none of the constant-expression matches with the expression
- The jump-statement must be there at the end of each block to step out of the **switch** case once a particular statement section gets executed.

Note: There are a number of branching statements or jump-statements available in C# such as break, continue, goto, return and throw.

# Example #

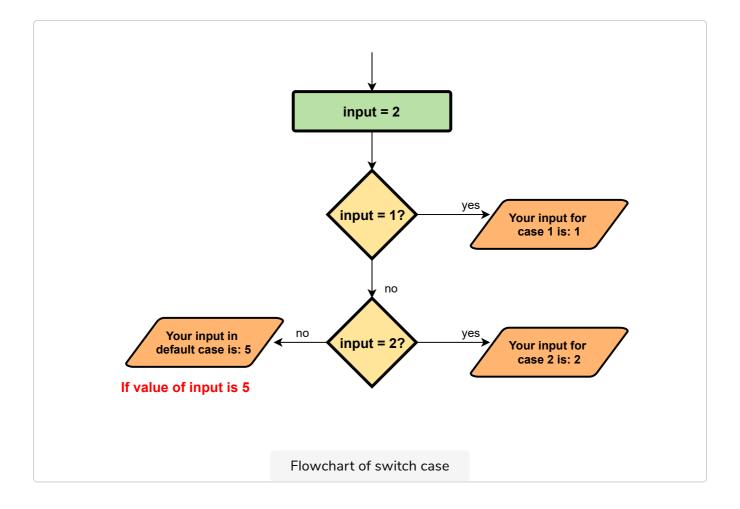
Let's take a look at an example of **switch** cases to better understand the concept.











## Code Explanation #

In the code above:

- First the value of *variable* input is set equal to 2.
- Then the switch function is called with input passed to it as the parameter.
- As the value of input is 2, case 2 is executed displaying: Your input for case 2 is: 2 in console.

You can change the value of input in the code above to execute various switch cases.

- If the value of input is changed to 1 then switch case 1 will execute.
- If the value of input is changed to a number other than 1 or 2 then the default case will execute.

This marks the end of our discussion on **switch** *statements*. In the next lesson, we will discuss **ternary** *operators* in **C**#.