

# Java Switch

Topics : [JAVA](#)

Written on [December 22, 2022](#)

The switch statement selects one of many code blocks to be executed. The switch statement contains multiple blocks of code called cases and a single case is executed based on the variable which is being switched.

## Syntax :

```
switch(expression) {  
    case value1 :  
        // code blocks to be executed.  
        break; // optional  
  
    case value2 :  
        // code blocks to be executed.  
        break; // optional  
  
    // You can have any number of case statements.  
    default : // Optional  
        // code blocks to be executed.  
}
```

The switch statement will be worded as below.

- The switch expression is evaluated once.
- The value of the expression is compared with the values of each case.
- If there is a match, the block of code inside case is executed.
- The break and default keywords are optional. Break statement terminates the switch block when the condition is satisfied.  
It is optional. if not used, then next case is executed.

## Example :

```
public class Aryatechno {  
    public static void main(String args[]) {  
        char grade = 'D';  
  
        switch(grade) {
```

```
case 'A' :  
System.out.println("Excellent!");  
break;  
case 'B' :  
System.out.println("Well done!");  
break;  
case 'C' :  
System.out.println("Good!");  
break;  
case 'D' :  
System.out.println("You passed!");  
break;  
case 'F' :  
System.out.println("Failed Try again!");  
break;  
default :  
System.out.println("Invalid grade");  
}  
System.out.println("Your grade is " + grade);  
}  
}
```

#### Output :

```
You passed!  
Your grade is D
```