

Java Switch

Topics : [JAVA](#)

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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
```

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