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Does Java support goto?

Java does not support goto, it is reserved as a keyword just in case they wanted to add it to a later version.

- Unlike C/C++, Java does not have goto statement, but java supports **label**.
- The only place where a label is useful in Java is right before nested loop statements.
- We can specify label name with break to break out a specific outer loop.
- Similarly, label name can be specified with continue.

Using break with label in Java

```
// Java code to illustrate
// using label and break
// instead of goto

// file name: Main.java
public class Main {
    public static void main(String[] args)
    {

        // label for outer loop
        outer:
            for (int i = 0; i < 10; i++) {
                for (int j = 0; j < 10; j++) {
                    if (j == 1)
                        break outer;
                    System.out.println(" value of j = " + j);
                }
            } // end of outer loop
        } // end of main()
    } // end of class Main
```

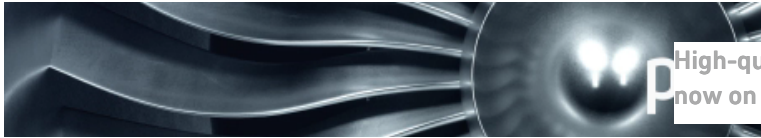
Output:



value of j = 0

Using continue with label in Java

We can also use continue instead of break. See following program for example.



```
// Java code to illustrate
// using label and continue
// instead of goto

// file name: Main.java
public class Main {
    public static void main(String[] args)
    {

        // label for outer loop
        outer:
        for (int i = 0; i < 10; i++) {
            for (int j = 0; j < 10; j++) {
                if (j == 1)
                    continue outer;
                System.out.println(" value of j = " + j);
            }
        } // end of outer loop
    } // end of main()
} // end of class Main
```

Output:

```
value of j = 0
value of j = 0
value of j = 0
value of j = 0
value of j = 0
value of j = 0
value of j = 0
value of j = 0
value of j = 0
value of j = 0
```

Explanation : Since continue statement skips to the next iteration in the loop, it iterates for 10 times as i iterates from 0 to 9. So the outer loop executes for 10 times and the inner for loop executes 1 time in each of the outer loop.