

Flow Control

Do/While Loop

The Syntax of Do/While Loop

```
do {  
    // executes while condition is true  
} while (condition)
```

- the main difference compared to while loop
 - block of code will be executed at least once
- semicolon (;) is not needed at the end

```
// print out numbers from 0 to 9  
// using while loop
```

```
int i = 0;  
while (i < 10) {  
    System.out.println(i);  
    i++;  
}
```

```
// print out numbers from 0 to 9  
// using do/while loop
```

```
int i = 0;  
do {  
    System.out.println(i);  
    i++;  
} while (i < 10)
```

```
// body will be executed at least once
```

```
int a = 5, b = 7;
```

```
do {
```

```
    System.out.println("Hello");
```

```
} while (a > b);
```

```
// prints "Hello" once
```

```
// infinite loop
```

```
do {
```

```
    System.out.println("Hello");
```

```
} while (a < b)
```

```
// prints "Hello" forever
```

```
// simplest infinite loop
```

```
do { } while (true)
```

everything else works the same as in while loop

(break, continue, nested loops, unreachable code, breaking with return, etc.)