Flow Control

If/Else Statement

The Syntax of If/Else Statement

```
if (expression1) {

    // block of code #1

} else if (expression2) {

    // block of code #2

} else if (expression3) {

    // block of code #3

} else {

    // block of code

}
```

- argument is boolean expression

    - block evaluates if expression is `true`

- else-if block is optional

    - there can be as many as you want

- else block is optional

- if there is only one command in the block, you can omit { }

```java
int a = 5, b = 10, c;
String s;

if (a > 3 && b < 9) {
  s = "A";
  c = 1;
} else if (a < 3 || a + b <= 15) {
  s = "B";
  c = 2;
} else if (a == 5) {
  s = "C";
  c = 3;
} else {
  s = "D";
  c = 4;
}

System.out.println("Result: " + s + c);
```

Result: B2