

Recap

- If
- If/ else
- Sequential if
- Nested if/ else if
- Nested if/ else

Math.max/min vs. if/else

- Many `if/else` statements that choose the larger or smaller of 2 numbers can be replaced by a call to `Math.max` or `Math.min`.

```
> int z;           // z should be larger of x, y
   if (x > y) {
       z = x;
   } else {
       z = y;
   }
```

```
> int z = Math.max(x, y);
```

```
> double d = a;    // d should be smallest of a, b, c
   if (b < d) {
       d = b;
   }
   if (c < d) {
       d = c;
   }
```

```
> double d = Math.min(a, Math.min(b, c));
```

4.3 *Subtleties of Conditional Execution*
