Control Flow Cheat Sheet

Here are some notes on what's been covered in this chapter; feel free to copy this and extend it to make your own cheatsheet.

Conditionals

Ternary Operator

- The ternary operator takes in a condition; depending on whether that condition is is truthy or falsey, the operator will evaluate to one of two specified values.e.g. (x > 10)? "Greater than 10.";
- It can also be used inside larger expressions.e.g. "Today is " + ((temp > 70)? "" : "not") + " hot." **if...else** statement syntax

```
if CONDITION 1
```

Code to be executed if CONDITION_1 is true

elsif CONDITION_2

Code to be executed if CONDITION_1 is false and CONDITION_2 is true
elsif CONDITION 3

Code to be executed if CONDITION_1 and CONDITION_2 are false, and CONDITION_3 is true else

Code to be executed if CONDITION_1, CONDITION_2, and CONDITION_3 are false

end

 With else if, each additional condition will only be checked if all of the prior conditions have failed.

```
switch statement syntax
```

```
switch (expression)
{
case LABEL1:
```

Code to be executed if expression = LABEL1

break
case LABEL2:

Code to be executed if expression = LABEL2

break
default:

Code to be executed if expression is different from both LABEL1 and LABEL2

Loops

• Loops are used to tell our programs to take repeated action.

while Loops

- while loops can run indefinitely, so long as the condition remains true.
- The loop's condition is re-evaluated each time the block finishes running.

for Loops

• A 'for' loop will generally run a fixed number of times, not indefinitely.

The three paramters for a **for** loop, in order, are (1) an initialization, (2) a condition, and (3) a final expression.