Control Structures (Chapter 3)

3 constructs are essential building blocks for programs

- Sequences $\rightarrow$ compound statement

- Decisions $\rightarrow$ if, switch, conditional operator

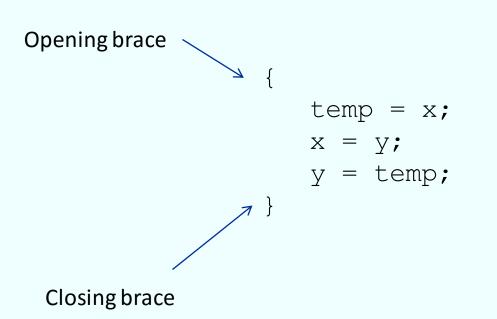- Loops $\rightarrow$ while, do while, for, enhanced for

Control Structures

Order of topics:

- compound

- if

- while

- autoincrement and autodecrement

- for

- Switch

- conditional operator

- do-while

Compound statement

A compound statement is a group of statements that are executed sequentially, one following the other, from beginning to end

Opening brace

```
{
        temp = x;
        x = y;
        y = temp;
}
```

A compound statement is often used with if's, while's etc.
… to provide a group of statements to be executed repeatedly or conditionally.

Closing brace