

CISC181 Introduction to Computer Science

Dr. McCoy

Lecture 4

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2.11 Assignment Operators

- Assignment expression abbreviations

- Addition assignment operator

c = c + 3; abbreviated to
c += 3;

- Statements of the form

variable = variable operator expression;

can be rewritten as

variable operator= expression;

- Other assignment operators

d -= 4 (**d = d - 4**)

e *= 5 (**e = e * 5**)

f /= 3 (**f = f / 3**)

g %= 9 (**g = g % 9**)



2.7 while Repetition Structure

- Repetition structure
 - Action repeated while some condition remains true
 - Psuedocode
 - while there are more items on my shopping list*
 - Purchase next item and cross it off my list*
 - **while** loop repeated until condition becomes false

- Example

```
int product = 2;  
while ( product <= 1000 )  
    product = 2 * product;
```

