Computational Expression
Repetition: While Loop

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Repetition Statements

Loops

- A portion of a program that repeats a statement or a group of statements is called a **loop**.
- The statement or group of statements to be repeated is called the **body of the loop**.
- There must be a means of exiting the loop.
While Loop

- A while statement repeats while a controlling boolean expression remains true.
- The loop body typically contains an action that ultimately causes the controlling boolean expression to become false.
While Loop

Syntax:

while (Boolean_Expression)  
    Body_Statement

or

while (Boolean_Expression) {
    First_Statement
    Second_Statement
...
}
Enter a number:
2
1, 2,
Buckle my shoe.

Enter a number:
3
1, 2, 3,
Buckle my shoe.

Enter a number:
0

Buckle my shoe.

Sample screen output

The loop body is iterated zero times.
```java
while (count <= number) {
    System.out.print(count + "", ");
    count++;
}
```
\textbf{while} (Boolean\_Expression) \\
\textit{Body}