Week 7

Iterative Statements LOGPROG

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6 October 2015

S. Chu (DLSU)

Loop:

Oct 2015

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Write a program that will display 5 asterisks.

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Write a program that will display 100 asterisks.

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- repetition
- similar statements

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- repetition
- similar statements



repetition

similar statements

• Iteration

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Iteration

Definition

Iteration, also known as or **looping**, is the process of executing the same section of code over and over.

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 an iterative statement that allows execution of a block of code repeatedly as long as the expression is true.

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- an iterative statement that allows execution of a block of code repeatedly as long as the expression is true.
- Syntax:

```
while looping_expression :
    statements
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statements

• The reserved word while begins the while statement.

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- an iterative statement that allows execution of a block of code repeatedly as long as the expression is true.
- Syntax:

```
while looping_expression :
    statements
```

- The reserved word while begins the while statement.
- The <u>looping_expression</u> determines whether the block will continue to execute or not.

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Write a program that will display 100 asterisks.

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Write a program that will display \boldsymbol{x} asterisks.

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Write a program that will display numbers from 1 to 100.

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Write a program that will display numbers from 1 to x.

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Write a program that will display numbers from x to y.

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Write a program that will display even numbers from 1 to 100.



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