

Module 7:

Input, Parse, Convert

Input Parse Convert – Objectives

- Learn how to receive and perform activity with input from a user
- Provide a response to user based upon captured information

Input Parse Convert – Key Terms

- **Input** – Information captured from the application's user.
- **Output** – Information shown to the application's user.
- **String Formatting** – A way to show output to an application's user by putting information into placeholders within the output string. Allows formatting to be done to the information in the placeholder.
- **Parse / Convert** – Two methods of changing the data stored in a variable of one datatype into data of another non-similar datatype (i.e. string data to int).



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LAB!

Water Lab
Change Lab



QUIZ!

Module 4-7 Quiz in Canvas



END MODULE 7

- Learn how to receive and perform activity with input from a user
- Provide a response to user based upon captured information

Homework:

1. Quizlet Vocabulary
2. Complete any unfinished labs

Module 8:

Logical and Comparison Operators

Logic and Comparison – Objectives

- Learn About Different Operators (Outside of Mathematical Operators).
- Review and Use Comparison and Logical Operators.

Logic and Comparison – Key Terms

- **Comparison Operator** – A character that checks the value of objects on either side of the operator and returns a bool value of true or false.
- **Logical Operator** - A character set that compares the bool values on either side of it and returns a bool value of true or false



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Logic and Comparison – Summary

○ Comparison Operators:

- > is greater than
- < is less than
- >= is greater than or equal to
- <= is less than or equal to
- == is equal to
- != is not equal to

○ Logical Operators:

- Combine two comparison operators or bool values and returns a bool
- && is used for AND
- || is used for OR
- BONUS: ^ is used for EXCLUSIVE OR (XOR) – exactly one argument is true. Returns false if both are true, or both are false.



END MODULE 8

- Learn About Different Operators (Outside of Mathematical Operators).
- Review and Use Comparison and Logical Operators.

Homework:

1. Quizlet Vocabulary

Module 9:

String Formatting

String Formatting- Objectives

- Understand How to Format String Values.
- Demonstrate How to Use Different Escape Sequences.
- Understand and Use Verbatim/Literal Strings.



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END MODULE 9

Homework:

1. Quizlet Vocabulary
2. Read Chapter 4

- Understand How to Format String Values.
- Demonstrate How to Use Different Escape Sequences.
- Understand and Use Verbatim/Literal Strings.