

C++ String (Lecture Activities)

Group Works

Exercise 1 (5 min)

Write a program that do the following

1. Reads two strings, **s1** and **s2**.
2. Creates a new string of their concatenation using **+** operator or **+=**.
3. Prints the new string.

Exercise 2 (10 min)

Write a program that do the following

1. Creates a string, **s1**.
2. Initializes **s1** with "Hyper Text Markup Language"
3. Creates a new string of the first letter of each word using the subscript operator, **[int]** (see slide 17).
4. Prints the new string. Note that the output should be "HTML"

Exercise 3 (20 min)

Write a program that do the following

1. Creates a string, **s1**.
2. Initializes **s1** with "Hyper Text Markup Language"
3. Replaces "Language" in **s1** with "Prog. Lang." using **find**, **substr** and **length** functions (see slides 20 to 25).
4. Prints **s1**.
5. Inserts "(HTML)" to the end of **s1** using **insert** and **length** functions.
6. Prints **s1**.

Exercise 4 (5 min)

Write a program that do the following

1. Reads a string, **s1**.
2. Check whether **s1** is empty. If it is empty, print "Empty" else print "Not empty." Use **empty** function and **?** operator (see slide 21 and 29).

Individual Work

Exercise 5 (10 min)

Write a program that reads a string of two word in one line. Then, it displays abbreviation of the two words. An example of the program output is shown below.

Enter a string of two words: Face Book The abbreviation of Face Book is (FB)
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