AMERICAN INTERNATIONAL UNIVERSITY BANGLADESH (AIUB)
Faculty of Science and Technology (FST)
Department of Computer Science (CS)
Course: Web Technologies

Lab Task 05: Text Analyzer

Instruction:

1. **Complete the task**
2. **After completion, push the code in the GitHub repository.**

Scenario:

You are developing a Text Analysis Tool for writers. By pasting any paragraph, users should instantly see a summary of word count, character count, and a reversed version of the text.

Steps:

• Add a large <textarea> for input text.

• Add a button labeled "Analyze Text".

• When clicked:

  ▪ Count:

    o Total characters → using .length

    o Total words → using .split(" ")

    o Reverse the entire text → using loops or .split().reverse().join()

  ▪ Display results inside a styled <div>.

• Handle cases like multiple spaces and empty input gracefully.