***Compiler Construction***

***CSC-323***

***Lab Journal 2***

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**Muhammad Naeem Tahir**

**Enrolment No:** 01-134202-117

**BSCS (5A)**

**Department of Computer Science**

**BAHRIA UNIVERSITY, ISLAMABAD**

**Lab # 2: LEX tool – lexical analyzer tool**

**Objectives:**

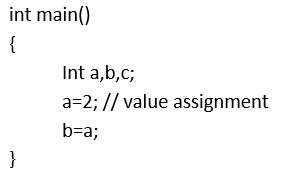
To learn how to implement the tokenization module.

**Tools Used:**

* DevC++

**Submission Date:** October 6, 2022

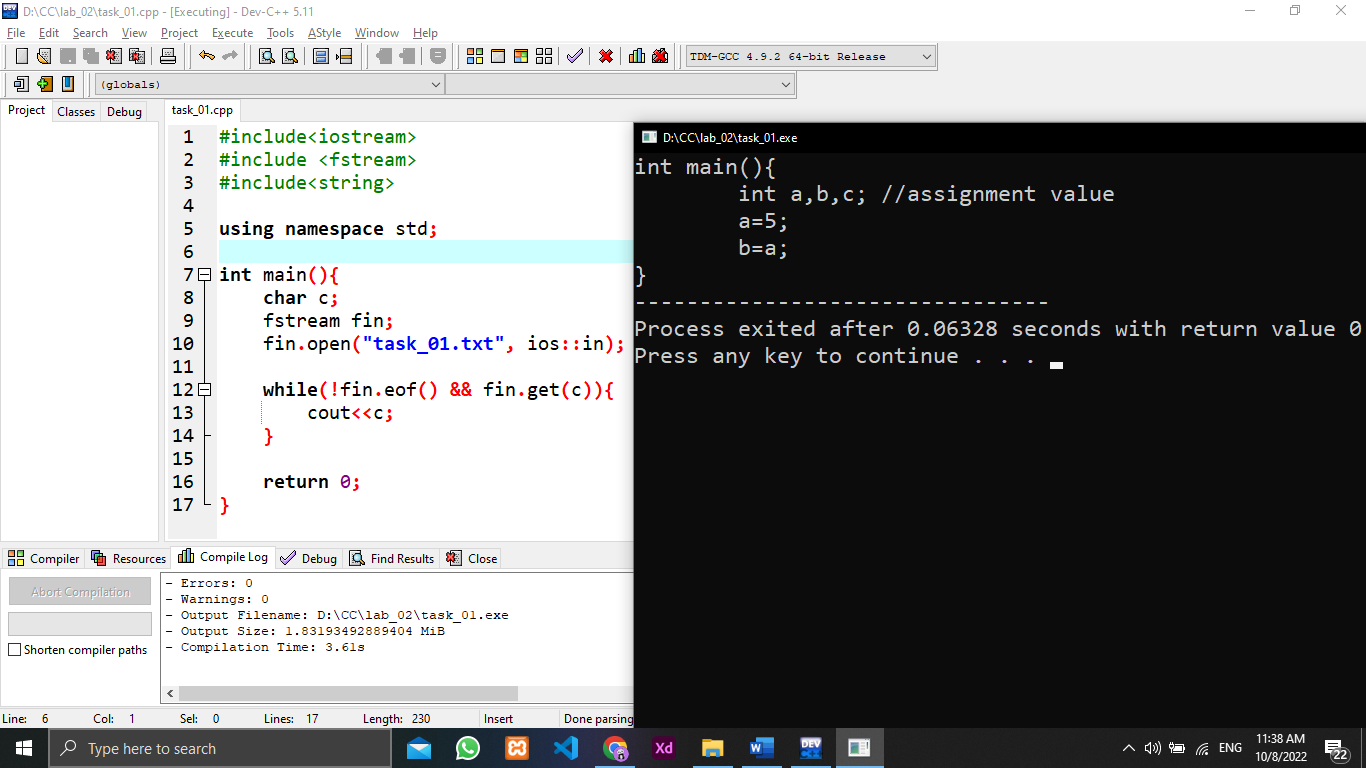
**Evaluation: Signatures of Lab Engineer:**

**Task # 1:**

**Read file character by character in a char variable.**

**Program/Procedure:**

**Output:**



**Analysis:**

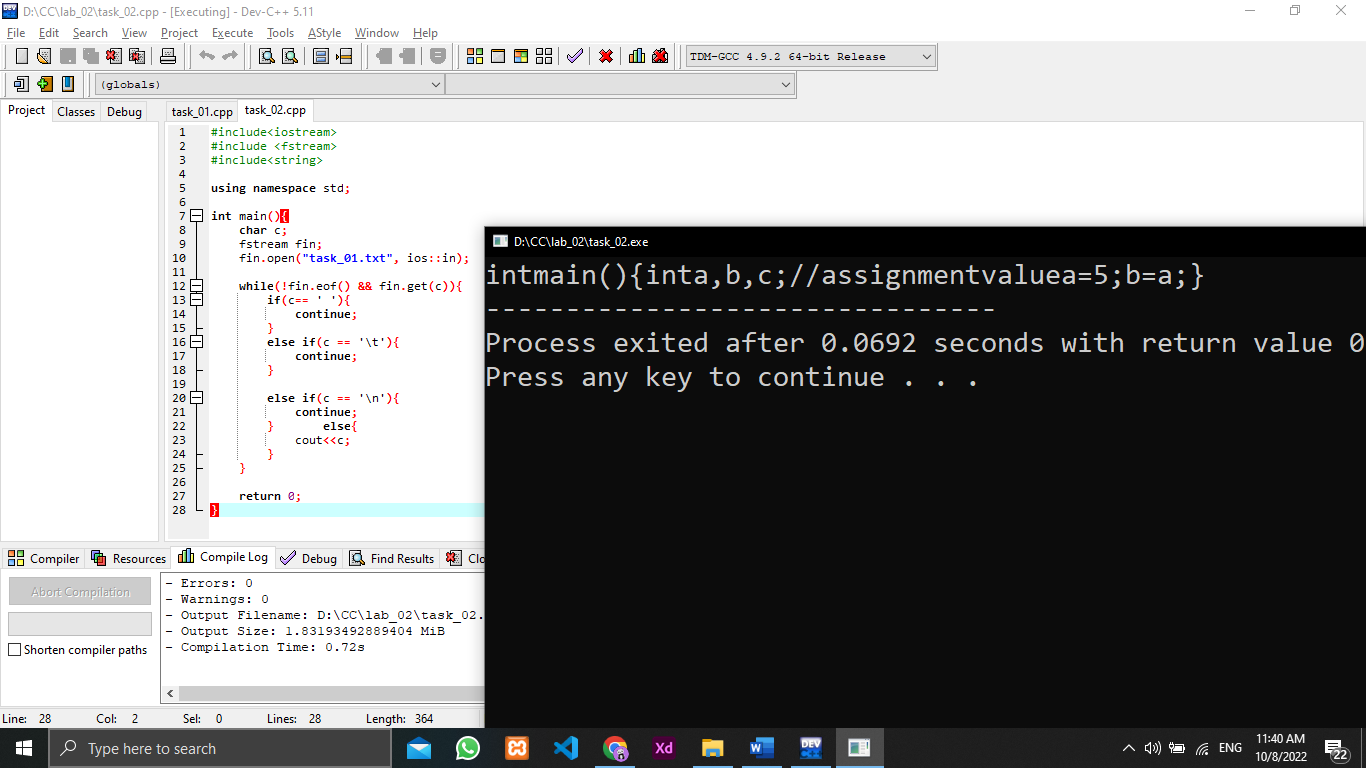
This program reads a file character by character using the fstream header file in C++.

**Task # 2:**

**Check whether the character read is a space, tab, newline, if so skip and read next character.**

**Program/Procedure:**

**Output:**



**Analysis:**

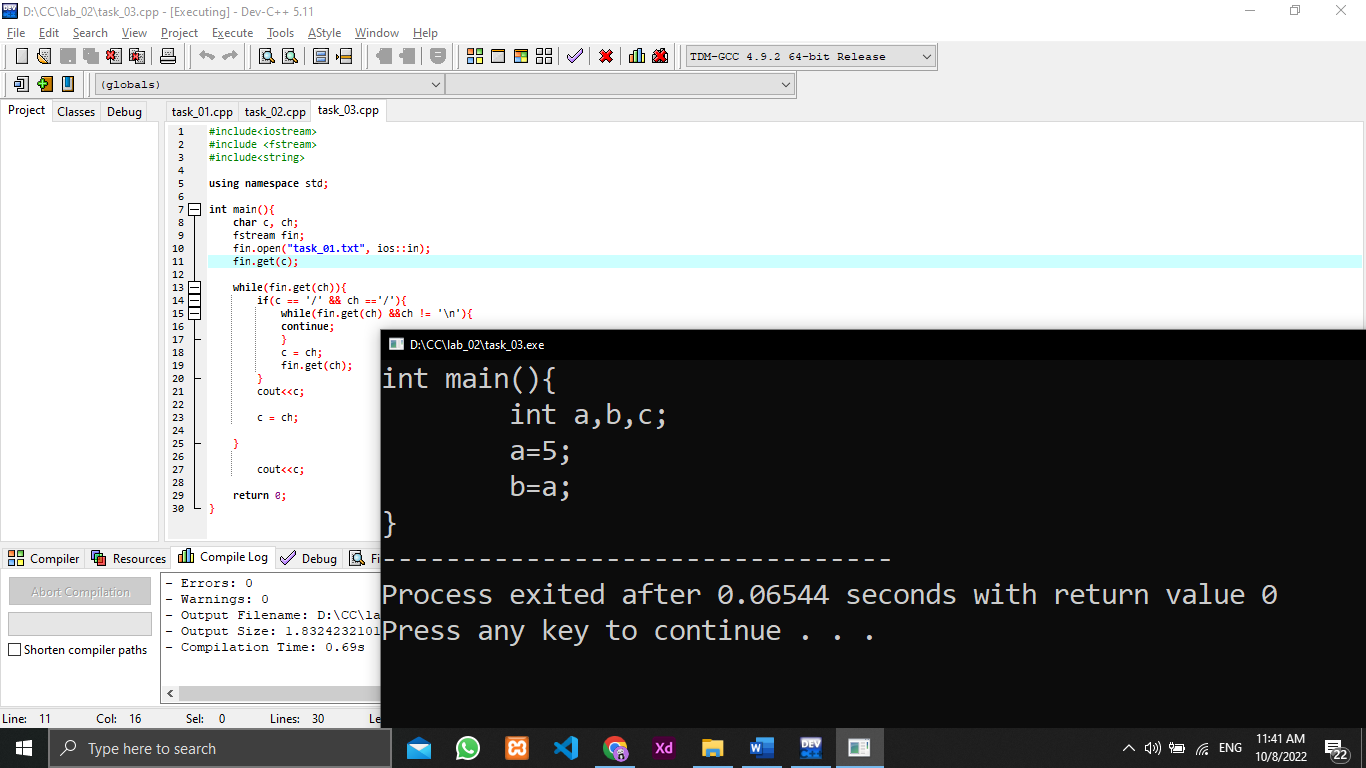
This program analyzes the file text and skips all the spaces, tab spaces, and line breaks.

**Task # 3:**

**Consume C style comments starting with // consume all character until newline char found.**

**Program/Procedure:**

**Output:**



**Analysis:**

This program reads the file text and removes all the comments in the code.