National Textile University

Department of Computer Science

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Semester:

5th

Lab:

06

Submitted to:

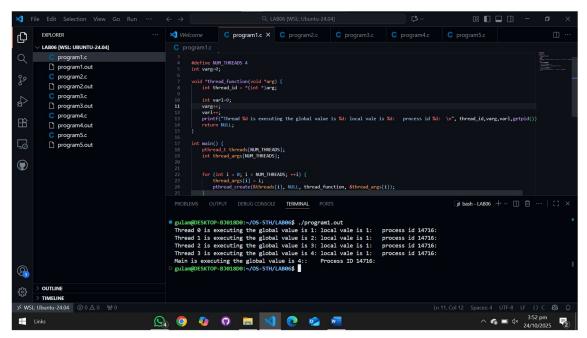
Sir Nasir Mehmood

LAB-06

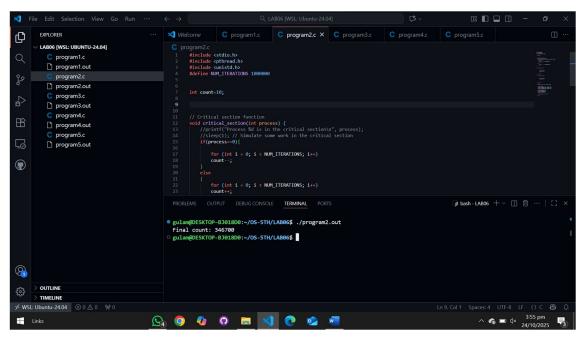
In this LAB we discuss some programs about synchronous using Peterson and Mutex Algorithm

PeterSon Algorithm	Mutex Algorithm
 In this we use While Loop for the iteration and check the Synchronization. In this we write all code by hand The steps include Flag [2] Turn While loop 	 In this we use a built-In Function Pthread_mutex_t object In this all computation will be by the Built-in Function The function we use are Pthread_mutex_t Pthread_mutex_init Pthread_mutex_destroy

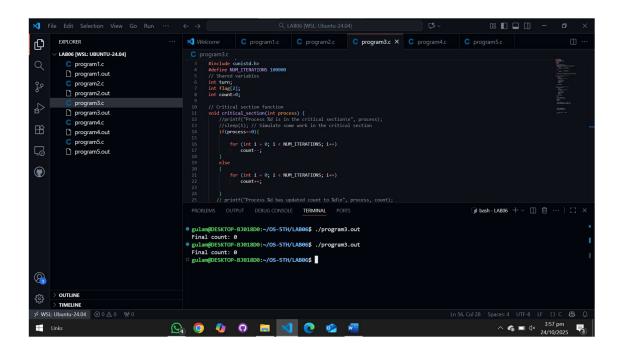
Program1-Multi-Threading



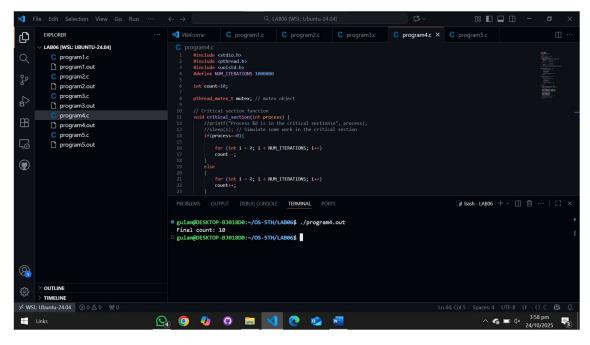
Program2 – Multi_Processing without synchronization



Program3- Multi_Processing with PeterSon Algorithm



Program 4 – Multiprocessing with Mutex



Program 5 – Multiprocessing (4 process) with mutex

