A picture containing text, gear, metalware

Description automatically generated

**ASSIGNMENT # 5**

NAME : SHAHERYAR ASHFAQ

ROLL NO : **20P-0128**

SECTION : BS-CS **4-B**

SUBJECT : OPERATING SYSTEM

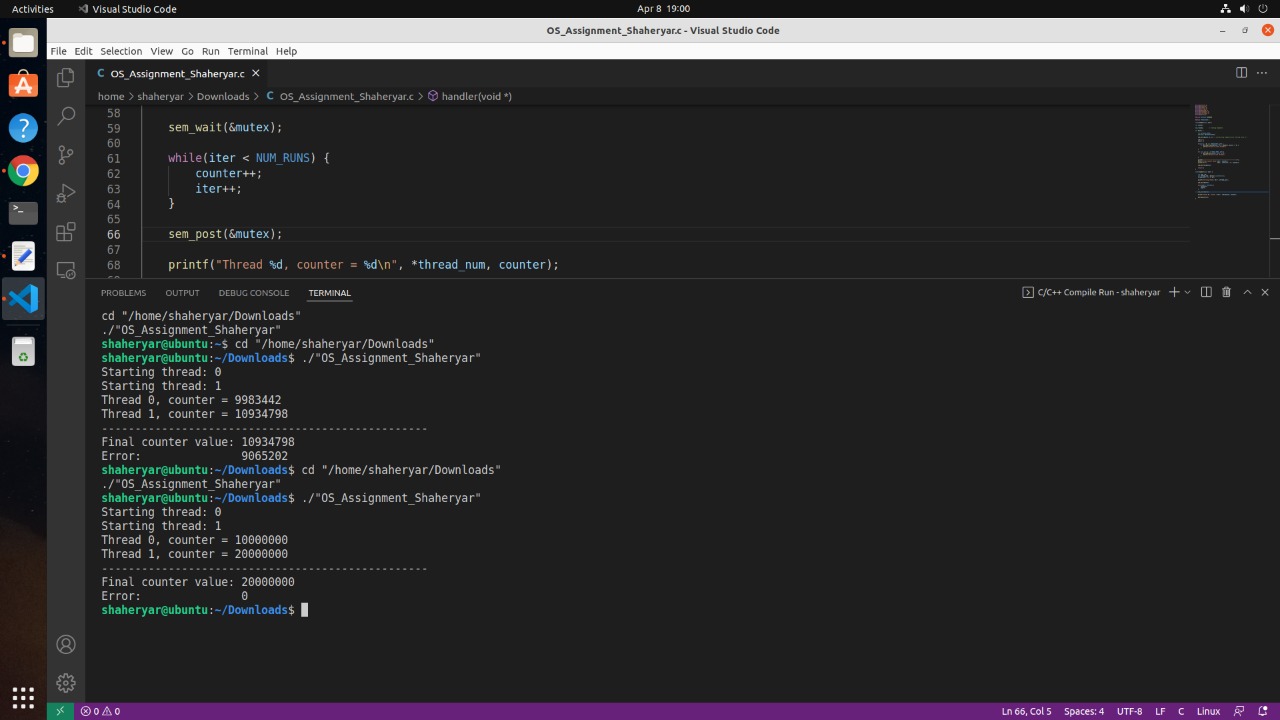
Text

Description automatically generated

Text

Description automatically generated

**OUTPUT**

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Explanation

**Locks** are one synchronization technique. A lock is an abstraction that allows at most one thread to own it at a time. Holding a lock is how one thread tells other threads: “I’m changing this thing, don’t touch it right now.”