**Matric No:** 19/69/0053

**Department:** Computer Science (HND1)

**Course Title:** Operating System I

**Course Code:** COM311

Question 1

Observe how your system loads or boots

Question 2

Record your observation

Question 3

Properly define the following terms:

* Boostrapping
* BIOS Routine
* Boot Sector Reading

**Boostrapping:**

Bootstrapping, in the context of computing and technology, refers to the process of loading and initializing a computer system. The term originates from the phrase "pulling oneself up by one's bootstraps," suggesting a self-sustaining process.

**BIOS Routine:**

A BIOS routine refers to a set of low-level instructions and programs stored in the Basic Input/Output System (BIOS) of a computer. The BIOS is firmware that resides on a motherboard's read-only memory (ROM) chip and plays a crucial role in the boot process and hardware initialization of a computer.

**Boot Sector Reading:**

Boot sector reading is a critical part of the boot process in computing, especially in systems that use BIOS (Basic Input/Output System) or UEFI (Unified Extensible Firmware Interface). The boot sector, also known as the Master Boot Record (MBR) in the case of BIOS or the EFI System Partition (ESP) in the case of UEFI, is a small, dedicated section on a storage device (such as a hard drive or SSD) that contains essential information for booting the operating system.