**Topic:** Practice with the MyBIOS Emulator

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### **1. Description of the Program**

The MyBIOS program is a specialized emulator designed to strengthen knowledge of BIOS/UEFI settings and provide practical skills in configuring system parameters. [cite\_start]It simulates the interface of a real BIOS Setup Utility, allowing users to practice hardware configuration in a safe, virtual environment.

### **2. List of Completed Tasks**

I have successfully completed all 10 built-in tasks within the emulator:

**Main:** Set the computer system time to 23:59:59 (HH:MM:SS).

**Main:** Set the computer date to April 1, 2009.

**Main:** Set the delay duration before polling connected devices.

**Advanced:** Increased the CPU frequency to 3325 MHz.

**Advanced:** Set 2 RAM timings (delays) to the RAS# to RAS# position.

**Advanced:** Configured the USB controller mode for maximum speed.

**Advanced:** Enabled remote operating system booting via the network.

**Power:** Configured automatic power-on for the 10th day of every month at 10:00.

**Power:** Activated the option to turn on the computer using a PS/2 keyboard.

**Boot:** Set the hard disk HDD:3M-ST3250824AS as the first boot device.

### **3. Results and Screenshots**

*For each section below, please insert the corresponding screenshot from your work.*

#### **Section: Main Settings**

**Description:** Configured the system clock, calendar, and device polling timeouts.

#### **Section: Advanced Configuration**

**Description:** Adjusted CPU overclocking parameters, memory timings, and enabled network stack features.

#### **Section: Power and Boot Management**

**Description:** Set up power-on schedules and defined the primary boot priority for the system drive.

#### **Final Result**

**Description:** Summary screen showing all tasks marked as "Completed" with the final score.

### **4. Conclusion**

[cite\_start]Through this assignment, I learned how to navigate the BIOS Setup Utility and modify critical system parameters. I gained practical experience in managing system time, optimizing CPU and RAM performance, and configuring power-on behaviors and boot sequences, which are essential skills for hardware maintenance and system administration.

