|  |
| --- |
| *2023* |
| LAB 2 |
| Tyler Burleson |
| 1/31/2023 |
| Mr. loveday – PC Setup and Maintenance |
| East Tennessee State University |

|  |
| --- |
|  |

Purpose:

The goal of this lab was to install a CPU and the corresponding heatsink onto the motherboard in the machine.

Materials:

* CPU
* Heatsink
* Screwdriver
* Thermal Paste (already applied)
* Anti-static band
* Computer needing a CPU.

Procedures and Results:

The procedures for this lab were fairly simple but required careful and delicate precision. We needed to install a CPU and the heatsink onto the motherboard in the machine and connected the wires. The final result was a machine ready to have RAM installed in the next lab.

Our first step was to analyze the table and ensure we had all the correct materials. These included a CPU, a heatsink, and a screwdriver. Usually we would also include thermal paste into our list, but it was already applied onto the CPU and the heatsink, so we skipped this material. After finishing the check list we double checked our machine to see if the CPU slot had any issues. Our observations concluded the machine was fine and the pin slots were clean, the cover was functional, and the lever was able to fully close down all the way.

After that we lined up the CPU with the slot we carefully lowered it into place and set the cover on top. Our next step was to slowly lower the lever into place, so the CPU was seated securely. Once we ensured the CPU was in place correctly it was time to install the heatsink. We carefully picked up the device and avoided touching the bottom with bare skin, so we didn’t get thermal paste on us. Finally we lined up the slots on the motherboard with the heatsink on top of the CPU we screwed it down hand tight and completed the lab.

Data or Observations:

* Thermal paste adheres to skin easily.
* The heatsink had issues lining up correctly with the holes
* Closing the lever for the CPU was stressful.