HP AMD Athlon Silver
Model: 14-bw012nr

The processor, known as the CPU, is found around the middle of the computer, connected to the motherboard. The processor controls your computer and it is like the brain. There can be several processor cores on the same chip, and the more cores the laptop processor has, the more tasks your laptop can perform at the same time, which is better. It is essential since we do tasks on the computer and run applications on a daily basis. The processor is measured in GHz (gigahertz), and in this case, this laptop has 2.3 GHz with 2 cores. Some processor brands are Intel, AMD, and M1.

The hard/solid drive (memory storage) is found on the left side of the computer. The bigger the hard drive is in terms of gigabytes, the more programs/apps you can install and the more files you can save. This is essential in everyday life because we often install applications like social media, games, or files from work or school, so we need memory space to store all of these things. This computer has a solid state drive of 128 GB.

The battery is located on the bottom of the computer and it is what supplies power to the laptop. In order for the laptop to turn on, you must have a battery. You can recharge the battery by plugging it into a power outlet using the charger.

The system memory, known as RAM or random access memory, is found at the bottom and it is connected to the motherboard. This determines how fast your computer runs. The bigger the RAM, the faster and more programs you can run. The RAM is upgradeable and most computers have multiple slots to put more RAM cards if you wish to do so. This particular model has 4 GB of RAM, and has 2 total slots available.
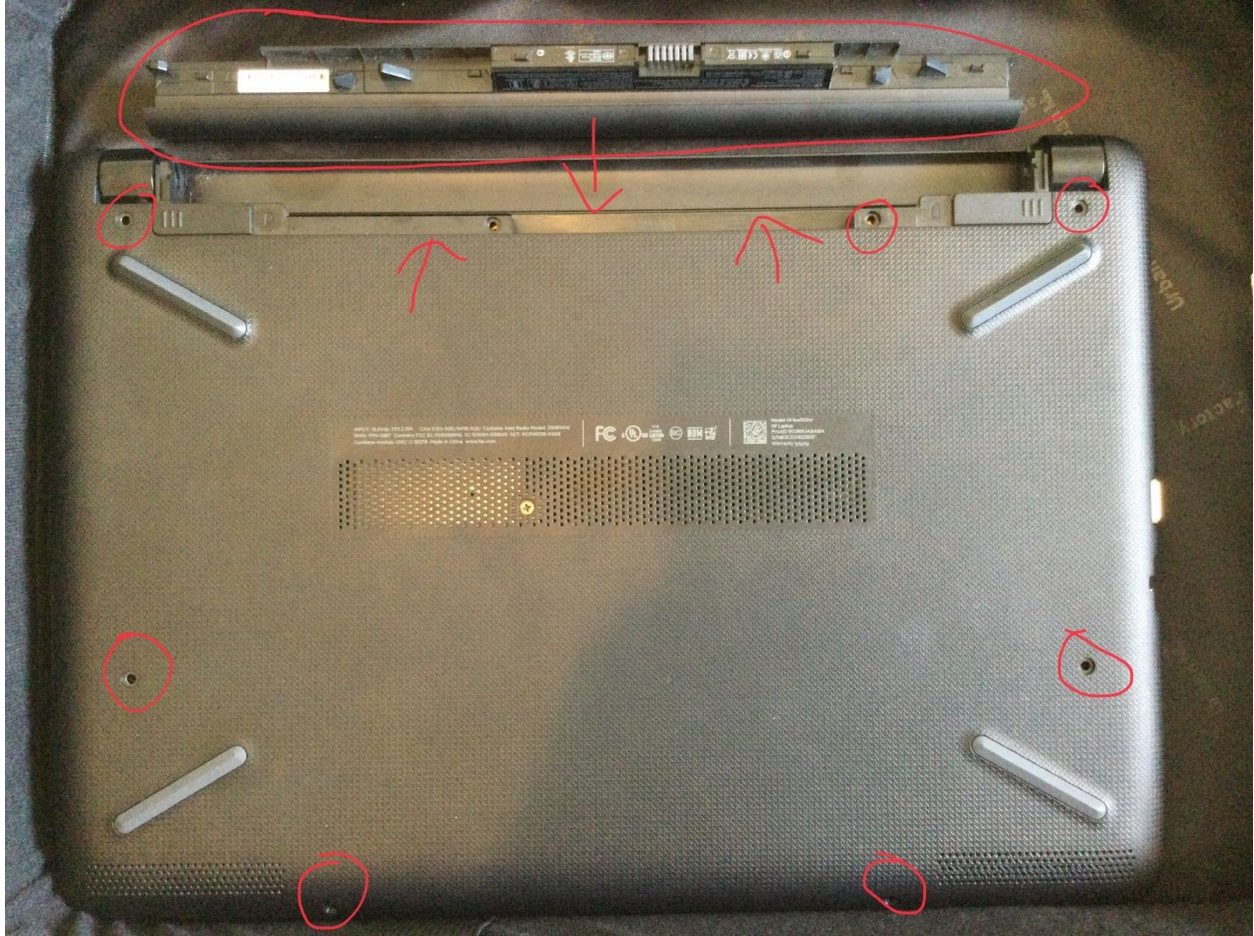
The fan is on the upper right side of the bottom of the computer. A fan is important since it reduces the temperature of the laptop and prevents overheating. It releases the heat and cools down the computer.

The motherboard is a board which basically connects everything and allows communication between the components of a computer. This part is really crucial since without it, none of the important parts could interact or work together. In this computer, the motherboard is the green board on the right side of the computer.

I learned that there are a lot of things involved when utilizing a computer. A lot of things matter in terms of performance and every single part makes a difference. Technology is improving day by day, and it is part of our everyday lives, therefore we should know what we are actually using and how everything works. By doing this challenge, I was able to expand my knowledge and learn lots about technology and what we actually use every day detail by detail.

This is the computer before I did anything to it. This is how it looks before taking it apart.

Here, I removed the screws first in order to separate the case. Then, I removed the battery to avoid any problems/injuries.

In this picture you can see all of the parts and components after the case is removed.

This is the side angle of the device. As you can see, there are lots of components.

After, I identified and labeled all of the parts included inside the laptop. Then, I made some research in order to fully understand these components.