Hack BI VII [Hardware] horizontal line

**Get Started :** (What software is required for participants of the workshop)

**None(?)**

**(Laptop would be useful when exploring pc parts, but not essential)**

**Uses:** (How is the topic of your workshop used)

**Hardware is an integral part of computer science, forming the foundation of the field; a good understanding of computer hardware benefits anyone in computer science because it in turn ensures a good understanding of higher level concepts**

**Purpose:** (Why would someone want to attend your workshop)

**Someone might attend this workshop in order to get a better understanding of the fundamentals of computer hardware, learning about the many parts of a computer and how they come together, as well as how to distinguish between the specs of various types of computers**

**Goal:** (What are you teaching and what do you want attendees to know after your workshop)

**Attendees will learn about the parts of a computer and leave armed with the knowledge to understand the importance of each aspect of computer hardware, and why they are important, and hopefully be able to make educated decisions when selecting computers of their own**

**Topics:** (What are the main topics you will cover in your workshop)

In our workshop, we will go over the high level summary of how a computer processes information, and integrate how each part of a computer (RAM, motherboard, SSD, etc.) plays a role in that process. We will explain the dynamic capabilities of some of these parts, including more basic ideas such as available storage space, memory, and the difference between solid state drives (SSD) and Hard Disk Drives (HDD), as well as more modern alternatives. We also plan on using the website pcpartpicker to examine the process of selecting sufficient parts to assemble one’s own pc.

**Resources Used:** (Resources that are helpful in learning about your workshop topic)

[PCPartPicker](https://pcpartpicker.com/)

[Components of Computers | A Comprehensive Guide (educba.com)](https://www.educba.com/components-of-computers/)