# Memory in Your Computer

Time required: 30 minutes

**How to Create Screenshots:** Please use the Windows Snip and Sketch Tool or the Snipping Tool. Paste a screenshot of just the program you are working on. If you are snipping a virtual machine, make sure your focus is outside the virtual machine before you snip.

1. Press and hold down the **Windows key** & **Shift key**, then type **S.** This brings up the on-screen snipping tool.
2. Click and Drag your mouse around whatever you want to snip.
3. Release the mouse button. This places the snip into the Windows Clipboard.
4. Go into Word or wherever you want to paste the snip. Hold down **CTRL**, then type **V** to paste the snip.

## System Information

In Windows, you can use the System Information window to report the amount of physical memory installed.

1. Click **Start** 🡪 type **msinfo32**. This will open the System Information program.
2. **Insert a screenshot of your System Information screen:**

Click or tap here to enter text.

The System Information window reports installed physical memory

1. **How much total physical memory does your computer have?**

Click or tap here to enter text.

## Online Memory Scanner

Research a memory upgrade for you or a friend’s computer.

**NOTE:** This lab must be done on a physical machine. It may not work on all computers. One of these.

1. Go to [www.crucial.com](http://www.crucial.com) or <https://www.kingston.com/en/solutions/pc-performance/pc-scanner>
2. Find and run the Crucial System Scanner.
3. **Paste a screenshot of the report:**

Click or tap here to enter text.

1. **What motherboard do you have installed?**

Click or tap here to enter text.

1. **How much memory is installed?**

Click or tap here to enter text.

1. **How many memory slots does the system board have?**

Click or tap here to enter text.

1. **How many are populated?**

Click or tap here to enter text.

1. **What is the maximum amount of memory the board supports?**

Click or tap here to enter text.

1. **What type of memory does the board support?**

Click or tap here to enter text.

1. **What would be the total cost and specifications of the memory upgrade if you were to max out the total memory on the board (You may have to have to go to View more compatible memory upgrades to find the right memory)?**

Click or tap here to enter text.

## Cpu-z

1. Go to [www.cpuid.com](http://www.cpuid.com), download Cpu-z and install it on your system. (There is a portable zip file which contains a standalone version that you can carry on a usb drive.)
2. **What does CPU-z say about your memory? Does it agree with Crucial?**

Click or tap here to enter text.

1. **Paste a screenshot of CPU-Z’s memory tab here:**

Click or tap here to enter text.

1. Open the case and verify the slots and type of memory.  
   Use a static strap or touch the case before touching and removing the memory.  
   If you are uncomfortable doing this to a production machine, do this to a pc or laptop that does not work. If you don’t have a non functional computer. You can skip this step.
2. **Does it match what the memory scanner showed?**

Click or tap here to enter text.

1. **Insert a digital photo of one of your installed memory chips.**  
   If you have a laptop, there may be a small cover that you can remove. If you are not sure where it is, you may need to do some research. If your laptop doesn’t have a small cover, but you must remove the back, it is not necessary to do that.

Click or tap here to enter text.

1. Does the marking on the physical memory agree with the other methods?

Click or tap here to enter text.

## Assignment Submission

1. Attach this completed document to the assignment in Blackboard.