Linux Commands

1. You are using your terminal window and type: **$ mkdir Game**   Explain what happens.

2. What would pressing return or enter do, while you were viewing the result of **man rm**?

           How do you exit   **man rm**   without closing the terminal window?

3. You are using your terminal window and type: **$ ls**   Explain what happens.

4. You type the following. Assume all files and directories exist

$ mv myFile.java Game
$ rmdir Game

What happens for both lines? Be specific.

 Hardware and Software

Which is it? Write H (for hardware) or S (for software) below each of the following.

Printer	POST	Microsoft Word	Touch Screen	Angry Birds (video game)	Bus Line

What is the difference between RAM and ROM? Describe clearly, using TWO or more differences.

_____

_____

_____

_____
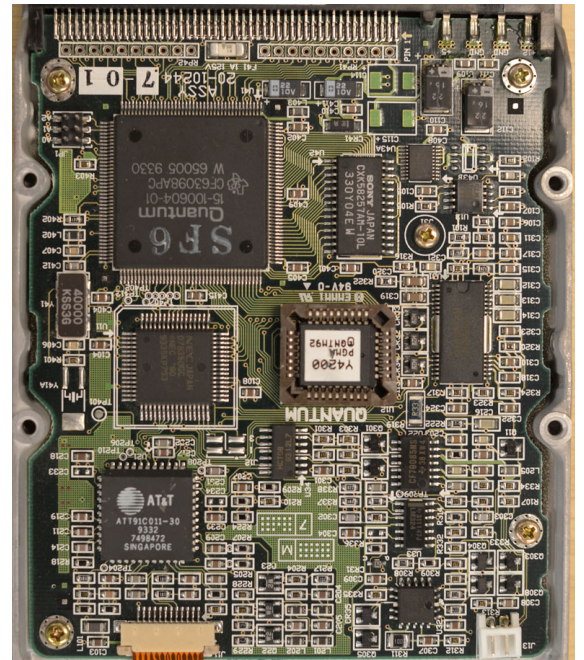
In the photo below of the inside of a disk drive, put a smiley face (☺) on the CPU, a star (*)on a bus line, a 't' on a transistor or set of transistors and a dollar sign on RAM or ROM. You only need to label one of each, if there are more than one of each. You can use arrows with your symbols if you have trouble labeling directly on the figure.

Code Conversion

Convert the code shown as indicated. If work is required, please show it.
   a) ASCII value '2' has what decimal equivalent? (work is not required) _____
   b) Show work for converting hexadecimal 3A in the space below.

   Hexadecimal 3A has what decimal equivalent? _____

   Hexadecimal 3A has what binary equivalent? _____

   c) Show work for converting decimal 45 in the space below.

   Decimal 45 has what hexadecimal equivalent? _____

   Decimal 45 has what binary equivalent? _____

   d) Show work for converting binary 101 1101 in the space below.

   Binary 101 1101 has what hexadecimal equivalent? _____

   Binary 101 1101 has what decimal equivalent? _____

Language Evolution

Write a term to fill in the blank – each term is used once. Terms are: Java, LISP, Machine, BASIC, PHP

_____ This is written in zeros and ones, making it the hardest and slowest to code.

_____ This language helped make programming popular, as it was designed to be taught in schools such as colleges.

_____ This object-oriented language was designed to work with the Internet.

_____ The is one of the first languages to use lists of data, meaning it was the first step towards languages with structure.

_____ This language uses ideas from Java, C, and Perl, and was designed to be interpreted by a browser, and it used to display web pages.

Class Policies

If you would like an extension or exception for a test or due date, what should you do? Be specific.

_____

_____

Fill in the blanks with the appropriate numbers:

You are permitted _____ late pass(es) per semester allowing you to turn in an assignment

_____ day(s) late for full credit.

When working on an open-note test or quiz, which of the following are you permitted to have in your "Java Manual" (binder)? Check as many as apply.

_____ Your notes   _____ Your programs

_____ Class handouts   _____ Someone else's programs

_____ Copies website content that you didn't write

In semester 2, you have earned in your grade, on average, 86.3% for exams and quizzes, 93% for homework, 96% for participation, and 95% for the game project. What score do you need to earn on the final to earn 90% in the class? Show your work by setting up the inequality and solving it.

Memory. **Show work, including units throughout the work and in the final answer. Round to 2 decimal places, if needed. Box your answer.**

My first computer, a MacSE30, had a 40 MB hard drive. My current computer has a 250 GB hard drive. How many times bigger is my current hard drive compared to my first computer?

I have 1.5 TB of videos stored on an external drive. I want copy it to another external drive. The cable I have will allow a transfer rate of 35 MB per second. How long will it take, in hours, to transfer the data?