

Assignment 1

Due on October 6, 2010, at the beginning of class

Please make sure your assignment satisfies the following basic requirements:

1. printed and **stapled**,
2. your name in the top right corner,
3. 12 pt serif font (like Times New Roman),
4. 2 cm margins,
5. after each answer, **show the number of words that you used**.

Assignments that fail to satisfy those requirements **will not be accepted**.

When answering the questions, make sure to **cite the readings** on which you are basing your answer. Use APA style and include page numbers. (E.g. “Raymond, 1998, p. 2.”) For readings included in the course pack with unnumbered pages, assume that the first page included in the course-pack is p. 1, then count from there. If you are drawing on the lectures, state so and specify the date. (If the answer is available in the assigned readings, though, cite the readings.) At the end of your assignment, include an APA-style bibliography section.

Part A: Definitions (80 points)

Explain each of the following terms in **30 words or less**. Specify who introduced the term if this information is available from the readings. For underlined terms, use another **100 words** to explain the relevance of the term or the concept expressed by it.

Each definition is worth 3 points. Each explanation of relevance is worth 5 more points.

- | | |
|---|--|
| 1. ENIAC | 11. the GNU Project |
| 2. IBM SHARE | 12. <u>copyleft</u> |
| 3. assembler | 13. GPL |
| 4. <u>source</u> (as in “open source”) | 14. <u>Linux</u> |
| 5. ARPAnet | 15. Brooks’ Law |
| 6. Unix | 16. Linus’s Law |
| 7. 1980 changes to the US Copyright Act | 17. release early, release often |
| 8. AT&T divestiture | 18. market in ‘egoboo’ |
| 9. BSD (the software, not the license) | 19. open source |
| 10. free software | 20. <u>the Open Source Initiative</u> |

Part B: Somewhat Longer Questions (40 points)

Answer each of the following questions in **150 words or less**. Each question is worth 10 points.

1. Who pays for Linux development and what are some of the reasons they do so?
2. Can one *sell* free software? (Include examples from the readings if applicable.)
3. What are some of the problems associated with the term “free software” that the term “open source” aims to fix and what are some of the criticisms of the term “open source”?
4. What does Raymond mean by “scratching an itch” and what are some of the criticisms of that notion?

Part C: A Mini Research Project (15 points)

Find a free / open source software project than has not been mentioned in class. In **300 words or less**, describe what kind of software the project provides, what kind of license it uses, who does the work, and how the work is funded. Cite your sources.

Part D: A Mini Essay (15 points)

Answer the following question in **300 words or less**:

How did the “hackers” of 1960s and 1970s, as described by Levy, Raymond, and Stallman, compare to “the New Left,” “the counterculture,” and “the New Communalists” in Turner’s chapter? (How were the “hackers” similar and different from each of those three.)

Please include a bibliography section at the end of your assignment.