

Assignment 10
(Due date: 12/11/2009, Friday, in class)

Your name:	Grade:
------------	--------

Important notice on how to submit and grade this assignment:

- Write your answers on **different papers** from the question sheets; otherwise, they will **NOT** be graded.
- You do **NOT** have to write the question text, but you need to **write the question number** for each question.
- Put your solutions in the **same order** as the questions appear on the assignment; otherwise, **missed or misplaced** solutions will **NOT** be graded.
- **How to Grade:**
 - The total score for the assignment is **100** points.
 - **An extra 8%** will be added to the **TYPEWRITTEN** submissions.
 - **3 points will be deducted** from your total score if you **missed any ONE** of the following (this is a *cumulative penalty*, e.g., 9 points will be taken for 1 missed name and 2 missed required blank lines):
 - **Your name and assignment number** on the top of each solution sheet/paper,
 - At least **one blank line** between solutions of adjacent questions (**except for** those of *Multiple Choice* or *True/False* questions).

1. Provide an operational definition for computers.

2. The computer has played different roles in our life. What are they? Give an example for each of them.

3. Briefly describe the ACM/IEEE code of ethics.

5. Give some examples of computer crime. Discuss how to prevent computer crimes.

6. The advances of computer science have raised new questions in social and ethical scenarios. List some of these questions.

7. Briefly describe the following concepts within the area of Professional Responsibility for Computing Engineers:

8. What are the four major phases of software life cycle?
9. Compare and contrast software requirements and specifications in the analysis phase.
10. Briefly describe the following testing strategies:
11. What is software testing?
12. What is software evolution?
13. In the development of software applications, formal documentations are often the results of each stage. List at least 3 different types of such documentations.