1. (20 points) Define the terms ***free wore*** and ***shareware*** and explain the differences, if any, between the two.
2. (20 points) What is a software ***copyright*** and how does a person obtain one?
3. (30 points) The Association for Computing Machinery (ACM) is a well-known organization for computing professionals. When someone joins the ACM they are expected to follow a Code of Ethics and Professional Conduct. Go to the ACM website (www.acm.ore) and read the Code of Ethics and Professional Conduct. For each of the situations below, describe which, if any, imperatives or responsibilities may have been violated.
4. A programmer is working under a very tight time deadline to finish a programming assignment for a consumer banking application. Failure to meet the deadline could result in the programmer losing her job. In an effort to save time and meet the deadline, the programmer does not thoroughly test her programs.
5. A friend of yours gives you a copy of a really cool smartphone app that a friend of his wrote using Java. You modify the program source code to make it even better and you offer it for sale.
6. A consulting firm hires you as a freelance programmer. The firm sends you a letter of understanding, which simply states how much they will pay you per hour and the calendar period of time the work will be performed over. You send them an email accepting the assignment and begin work. Your assignment involves working for an organization in the health care field to help them set up a database containing medical records for tens of thousands of individuals. Being an entrepreneur by nature, you see an opportunity to take the data and sell it to insurance companies, so you quit your assignment and pursue that business venture.