

SOFTWARE QUALITY ASSURANCE



Using Cyclomatic Path Analysis to Detect Security Vulnerabilities

Case Study

Assignment No. 1

- ❑ Due date: 13th March, 2011
- ❑ No extensions in deadline
- ❑ Submission through LMS only, no printed assignment or no submission through emails. Submissions other than LMS will not be considered.
- ❑ Plagiarized work will be marked 0 in this assignment and other assignments as well.

Using Cyclomatic Path Analysis to Detect Security Vulnerabilities

1. What is the main aim of this paper (in one sentence)?
2. Summarise the paper in no more than 10 sentences.
3. What are the factors, mentioned in this paper, are major cause of security vulnerabilities?
4. Statement coverage and branch coverage are not able to detect security vulnerabilities, give reasons.
5. What is the short coming of integration-level structured testing strategy and how it effects detection of security vulnerabilities?
6. What do you understand by the concept of code coverage?