# Secure Programming (CSE 5382)

Programming assignment 3 Date: March 22, 2015

Web and Static Analysis Tool (flawfinder)

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### **Development Specifications:**

- 1. PHP
- 2. HTML
- 3. HTTP protocols (get, post)
- 4. Bash
- 5. Apache2
- 6. MYSQL
- 7. Flawfinder
- 8. Firefox web browser
- 9. Ubantu

#### What our tool does:

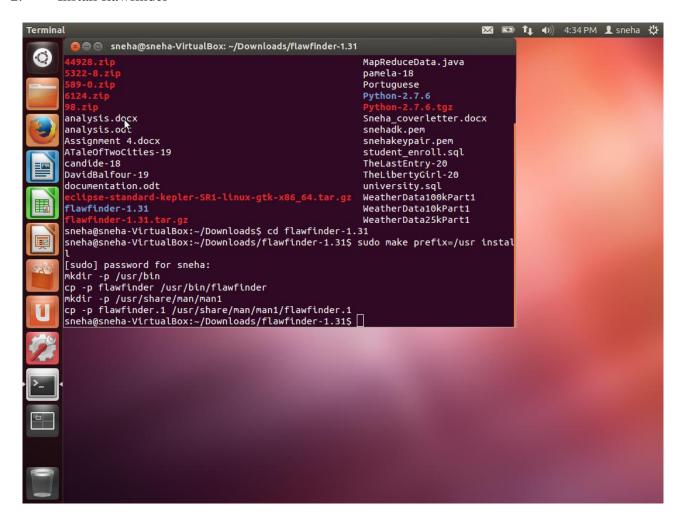
- 1. It registers the user with information like username, password, Fullname, email etc.
- 2. It logins the authenticated user.
- 3. It takes the input code (C/C++) and on click of Post button, it displays analysis result(bug report)

# Steps for execution:

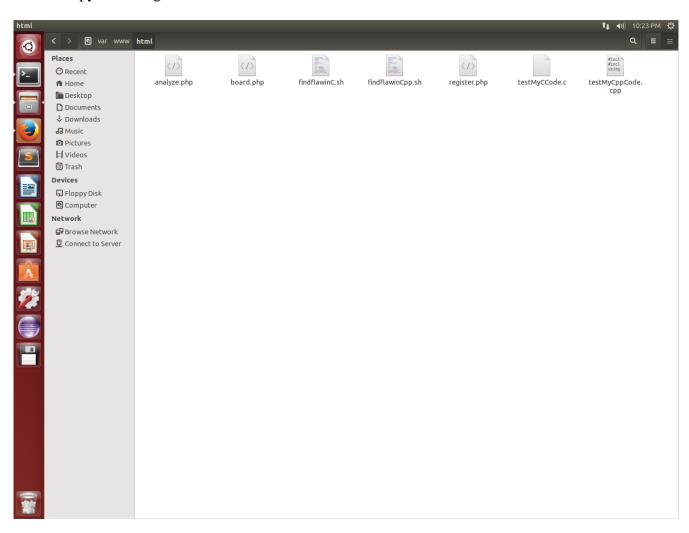
1. Install PHP, Apache, Mysql: Refer following link for installation

http://www.allaboutlinux.eu/how-to-run-php-on-ubuntu/

#### 2. Install flawfinder



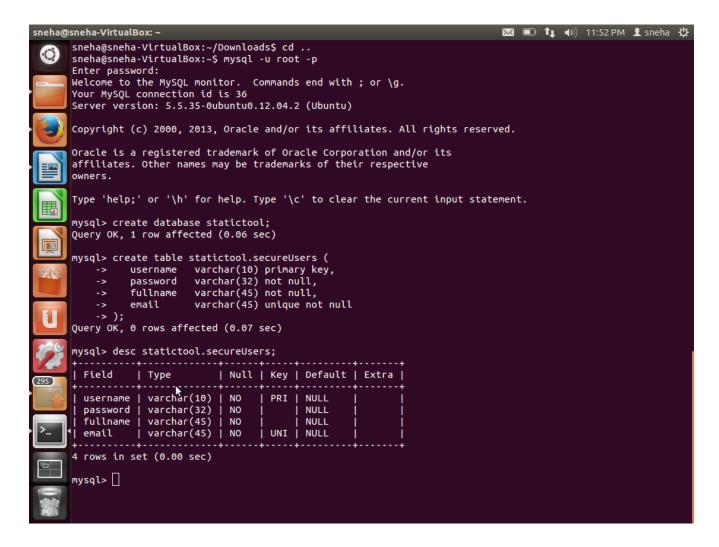
# 3. Copy following files in the same folder



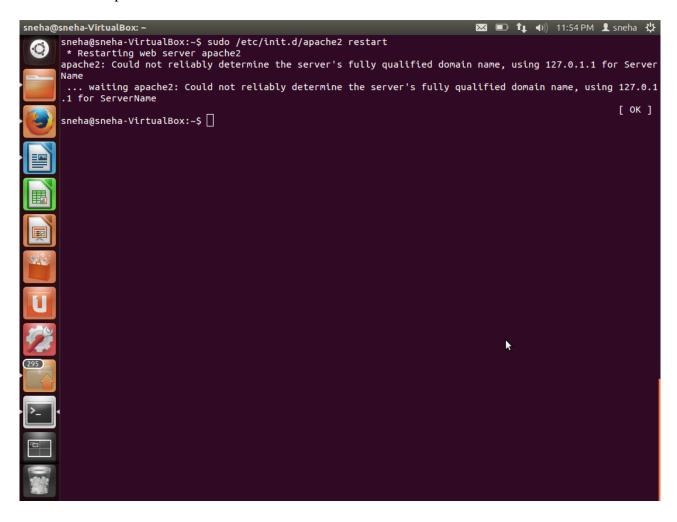


4. Change the mode of C and C++ files, so that we can read, write and execute the files. Commands: sudo chmod 777 /var/www/html/testMyCCode.c sudo chmod 777 /var/www/html/testMyCppCode.cpp

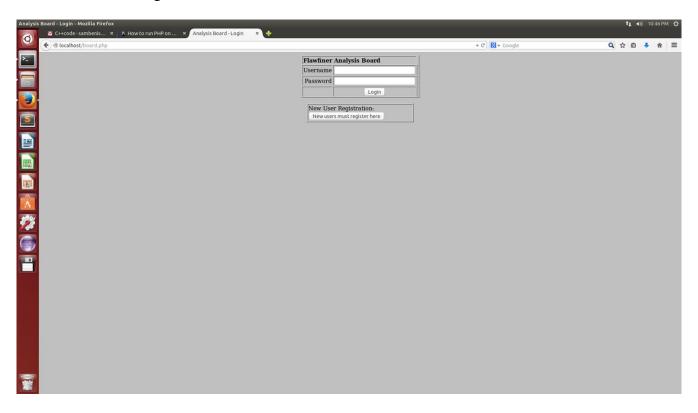
#### 5. Create database

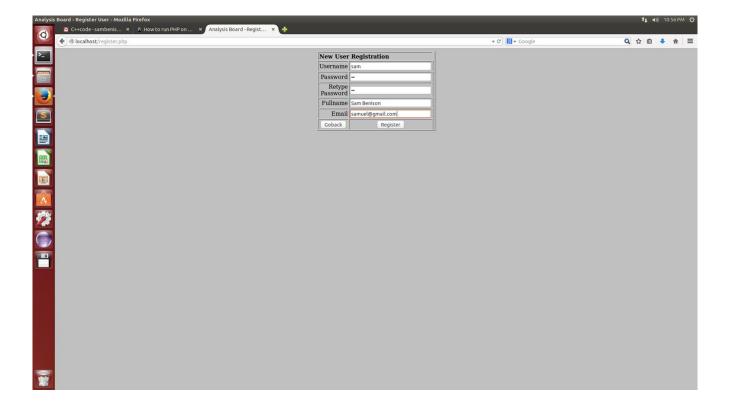


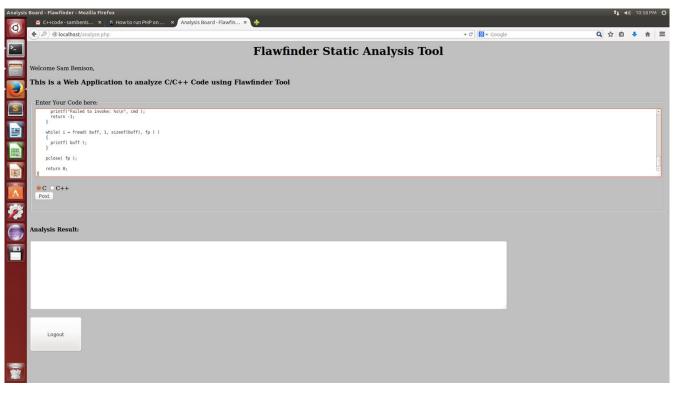
## 6. Restart Apache

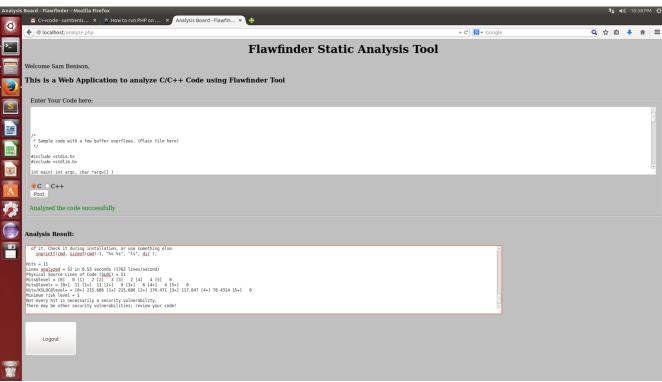


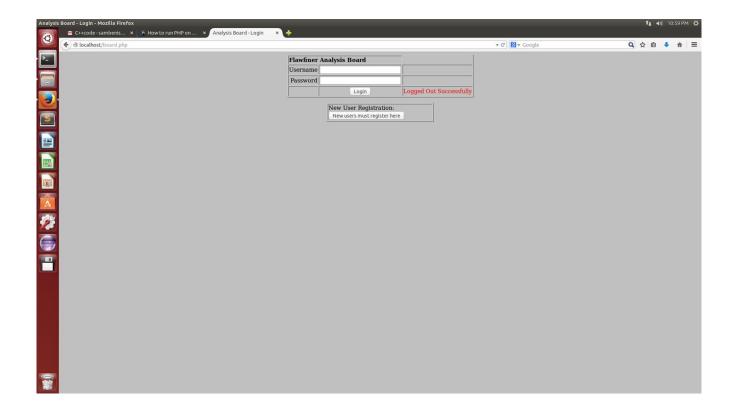
# 7. On browser, localhost/board.php You will see following result











References:

http://www.allaboutlinux.eu/how-to-run-php-on-ubuntu/http://www.dwheeler.com/flawfinder/http://sourceforge.net/projects/flawfinder/