



ETHICAL HACKING

11.04.2017

Amit yadav

160099

Slack nick: amit

yamit@iitk.ac.in

9936527508

Other commitments: None

Aim

The aim of this project is to learn to identify weakness in computer systems and computer networks and coming with counter measures that protect the weaknesses.

Interest

I have always been interested in hacking and tried hacking using other softwares like passwords recoverers for different browsers .It worked! I recovered saved passwords in different browsers of many of my friends' laptops. But now I want to learn how this all is done.So I think this project can help me a lot.

Goals

Learn various languages like assembly ,GNU Debugger which help us to see what's going inside a program. HTML, Javascript to read saved cookies and perform cross site scripting etc. PHP to modify settings on a web server and to make the server vulnerable to attacks.SQL to perform SQL injections to bypass web application login algorithms and delete data from database.Python to build tools and scripting.

Timeline

Week 1: Start learning x86 assembly language and GNU Debugger and practice linux commands.

Week 2: Complete assembly language and explore some python tools like pwntools. Also start learning HTML, CSS ,JAVASCRIPT and php.

Week 3: Read about buffer overflow,integer overflow and format string and build a simple webpage using HTML,CSS,JS,PHP.

Week 4: Learn to perform SQL injection and try on www.techpanda.org which is vulnerable to attacks.

Week 5: Learn about XSS an CSRF attack and test the knowledge on www.root-me.org .