

Ethical Hacking

Geronimo

29 May 2016

1 Progress Report

We will be presenting a report covering whatever we have done till now as a unit, instead of explicitly mentioning what we did on each day.

1.1 Web development

Team members of Geronimo are well versed with the basics of HTML, CSS, PHP, Javascript and SQL. We also know a bit about Bootstrap.

References:

<http://home.iitk.ac.in/~rohitkb>
<http://home.iitk.ac.in/~pranjalp>
<http://home.iitk.ac.in/~sandepkr>

1.2 Hack This Site

All group members have attempted and finished most of the basic and Javascript challenges.

1.3 Overthewire Bandits War game

All levels have been completed.

1.4 Overthewire Natas War game

Ten out of twenty levels have been completed.

1.5 Microcorruption

We have completed the first five levels of this hacking game, which is based on binary exploitation.

1.6 LaTeX

We have obtained a basic idea about LaTeX, something that has been used to make this very document.

1.7 Course audited

We have completed two weeks of the Coursera course titled 'Software Security', and our video is going to be based on binary exploitation, which happens to be the topic of the first week of study in the online course.

1.8 Basics of Github

We have learnt the basics of Github, and have also made a website that describes what we have done in the project so far and our future plans as well.

2 Lessons learnt

After having gone through the problems provided to us, we have realized that we know very little about the intricacies of the Unix operating system, which is crucial for hacking. Secondly, we have also understood that web development is a new field to explore, and we need to impart an aesthetic appeal to webpages to make it attractive for others to use.

3 Conclusion

We have prepared videos of Bandits, Natas, HackThisSite, Microcorruption and a stack smashing project, which are self-explanatory and can be used as demos for introduction to hacking.