# KompyuterM3chakrs

Week of (Date): June 3, 2019

Team Members Active this Week: Nathan Bellew, Melanie Grumley, Keren Angeles

Please explain in detail what you worked on this week.

This week are working on a Capture-the-Flag project. The goal of capture the flag is to learn to look for vulnerabilities in a given piece of code and learn how to exploit those. We learned about manipulating $PATH in order to run the code we want to access a password. We also learned how to manipulate cookies from a local host.

What are the outcomes of your research and time for the week?

The point of the CTF exercise was to learn different vulnerabilities in programs and softwares so that we can apply this knowledge later on when we try to hack the auto-mower.

Please describe any roadblocks or difficulties you experienced in your research this week.

Some of the roadblocks were the new terminologies that we learned such as pointer manipulation, little endian notation, buffer overflow, and segmentation faults. We also learned how to implement them which was at time difficult at times to understand the concept

What are your next steps moving forward?

Our next steps moving forward are to finish the CTF practice up to the last level and the next step would be to also learn more about how to use a Raspberry Pi