Cyber Operations

Unit 09 - Password Auditing

# Lab 08 - Rainbow Tables

You will need your Kali VM and access to the internet for this lab.

### **Generating the Hash**

Navigate to <http://www.onlinehashcrack.com> and generate and MD5 hash with the following format:

#### + First Initial + Last Initial

Take a screenshot of the resulting hash

Store this hash in a text file on your Kali machine.

### **RTgen**

Use **rtgen** to create rainbow tables that will be able to crack your password.

A few hints:

* Make them for MD5 only
* The password will always be 6 characters in this case
* Each chain should be 3500 long
* Store 100,000 chains in each rainbow table file
* Remember to use a few different indexes.

Take a screenshot of the command used to generate the first table, as well as the output.

### **Sorting and Cracking**

Sort all of the tables at once using rtsort and take a screenshot of the command and the output.

After the tables have been sorted, attempt to crash the hash stored in the file you generate during the first step and take a screenshot of the output.

## What to submit

Create a PDF document containing the screenshots required in the lab. The document should include your name and only the screenshots requested.