Lab 9 Rainbow Crack

* Refer to our class video for further information and demo. On your local Kali machine find RainbowCrack tools (rtgen, rtsort, and rcrack)
  + Use the tools to create and sort 4 rainbow tables.
  + The tables should be NTLM
  + The tables should have a min length of 1 and a max length of 4
* The tables should be lowercase letters only
  + Navigate to:https://www.tobtu.com/lmntlm.php
  + Generate an NTLM hash of the first 4 letters in your first name (if your name is less than 4 letters, append extra z's to the end)
    - Use Calculate Hashes button
  + Copy the hash generated in the previous step
* Use your rainbow table to crack the hash.
  + Provide a screenshot within PDF or DOC/DOCX showing you **successfully** used your rainbow table to crack the hash of your last name
    - Screenshot /output / proof must be legible / visible / viewable. There are no resubmits. If it doesn't show you cracked the hash that is part of your name, then you cannot receive credit.
    - Full credit is not given if not in PDF, DOC/DOCX.

**Extra Credit:**

*+4 points*

Complete above assignment but use an alternate tool that utilizes Rainbow tables that we discussed, to make use of GPU. EC is student-driven without instructor help. Either you have the set up, or you do not. Include screenshots and explanation of how you got the GPU set up. Show that it was successful. You can crack the same password or another of your choice, as long as it has your name in it.

**Deliverable**

* Turn in a Word document or PDF with screenshots of your code, along with results of program execution.