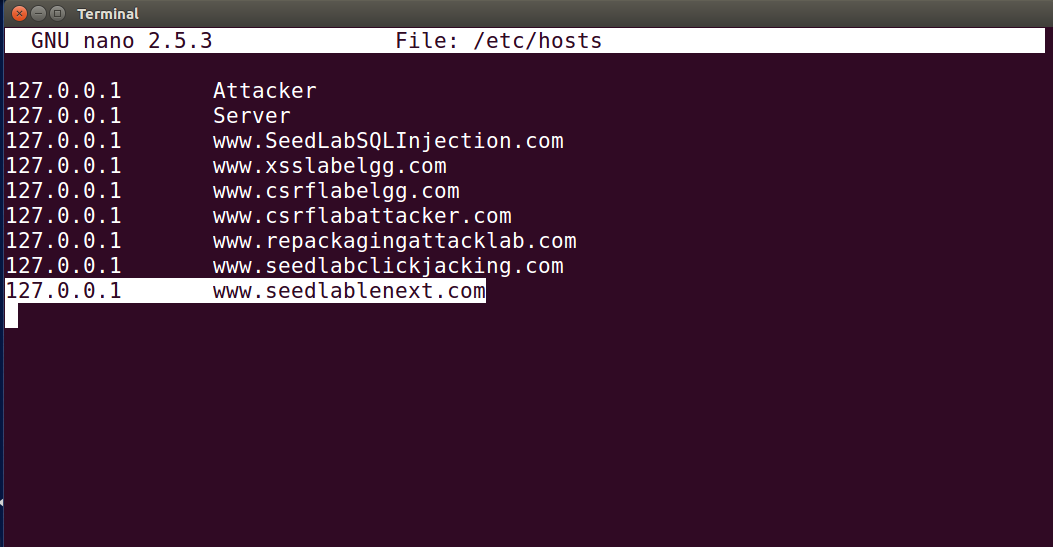
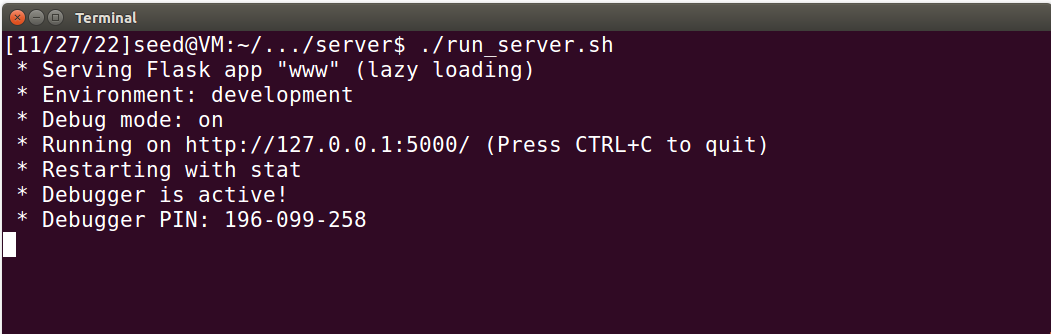
|  |
| --- |
| **Applied Cryptography Lab**  Week – 9  Date : 27-11-2022 |
| Name : J Chethana Datta  SRN : PES2UG20CS148 |

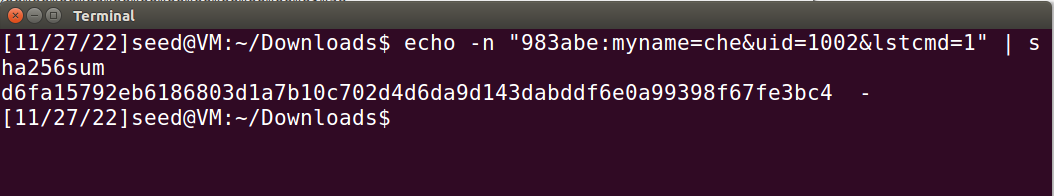
**Lab Setup:**



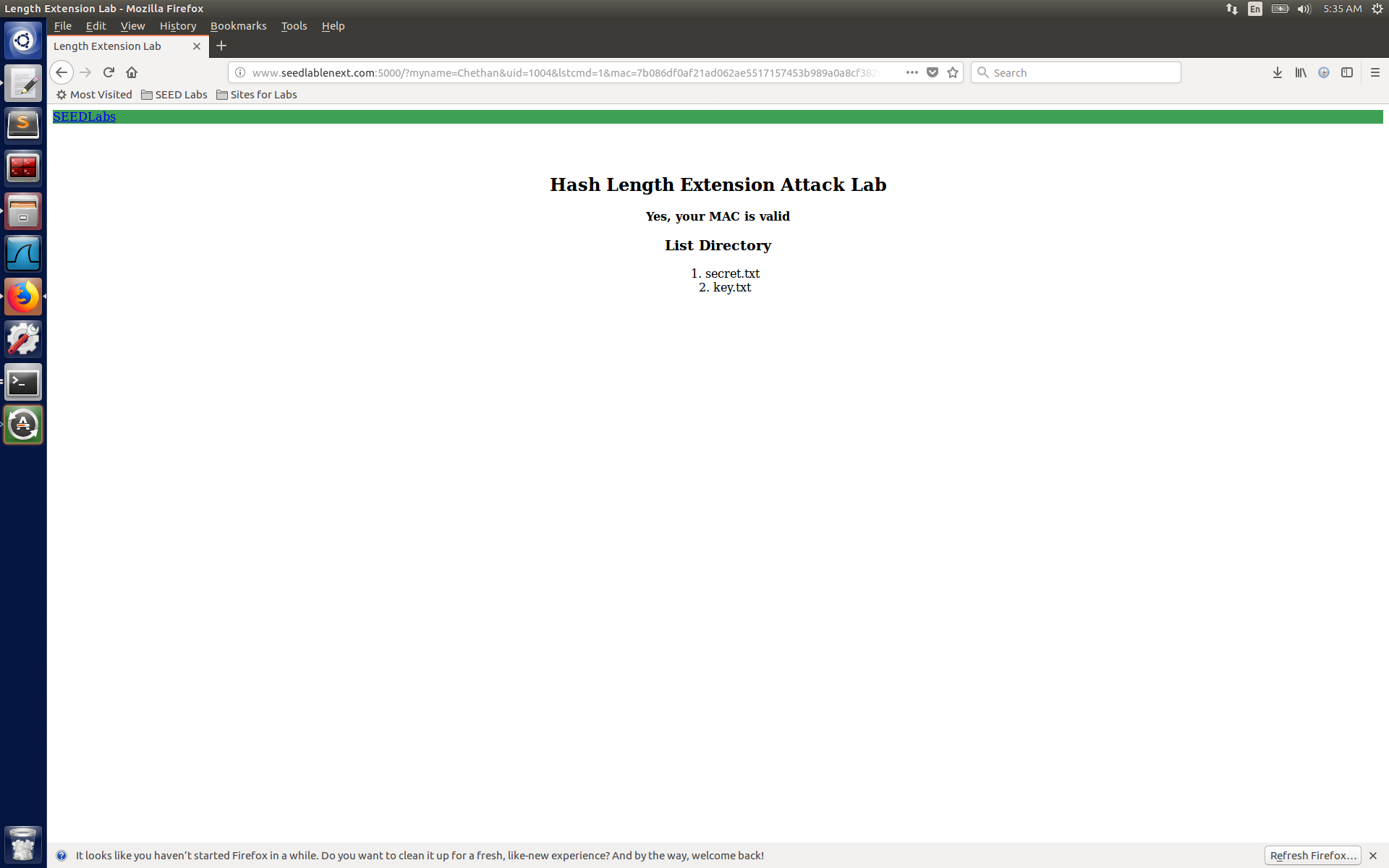


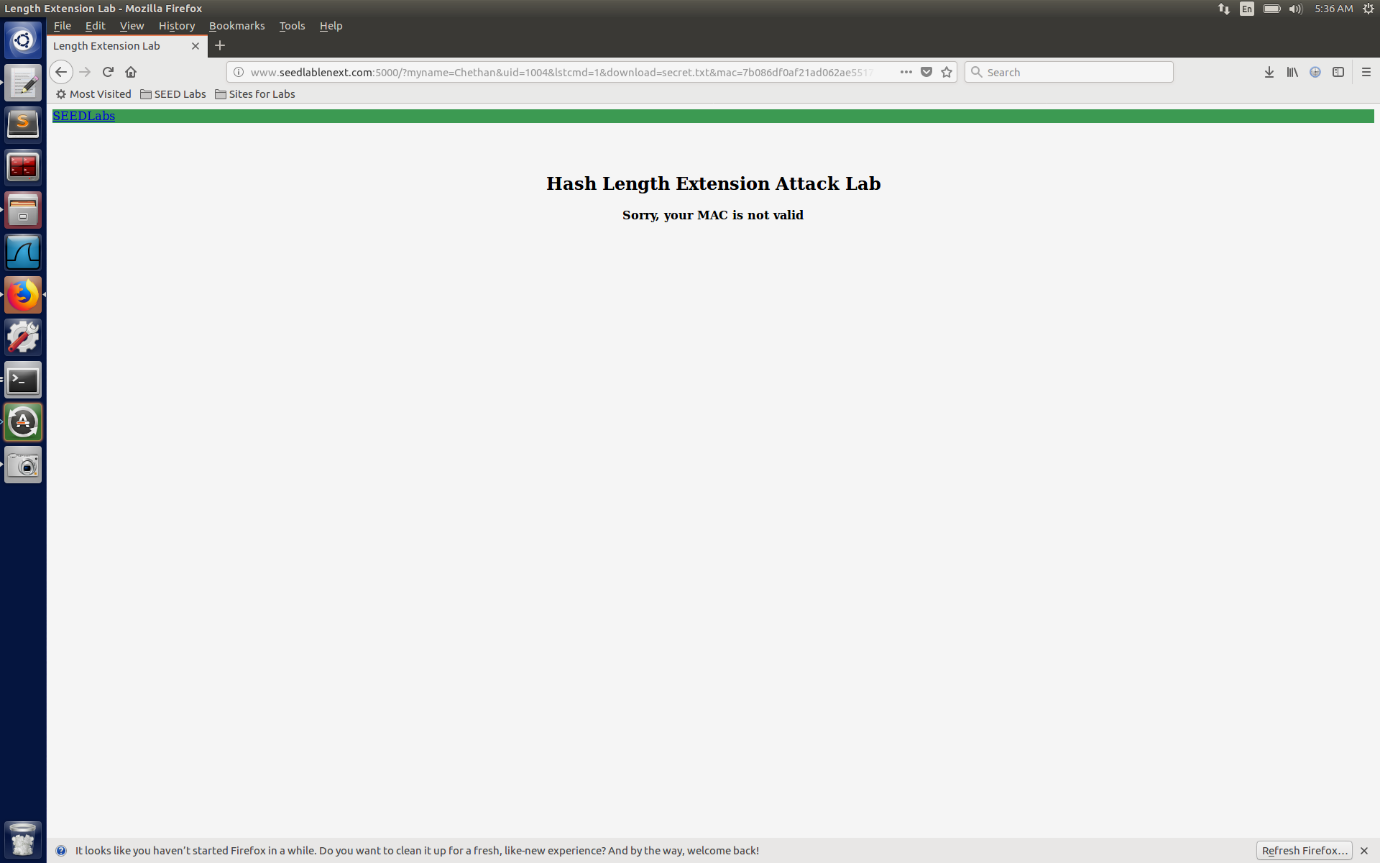
TASK-1 Send request to list files

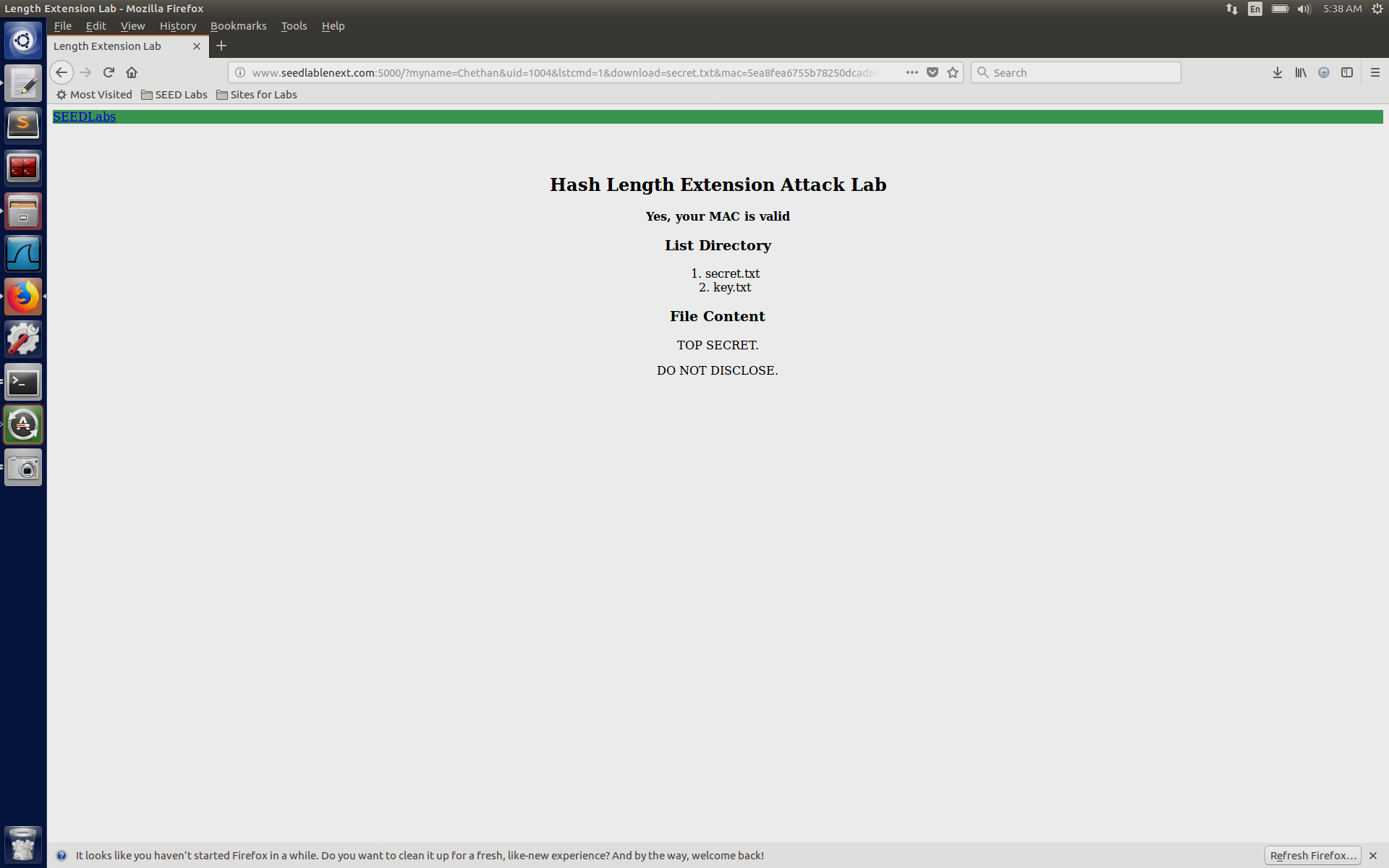
Calculating the MAC:



We are able to access the directory:

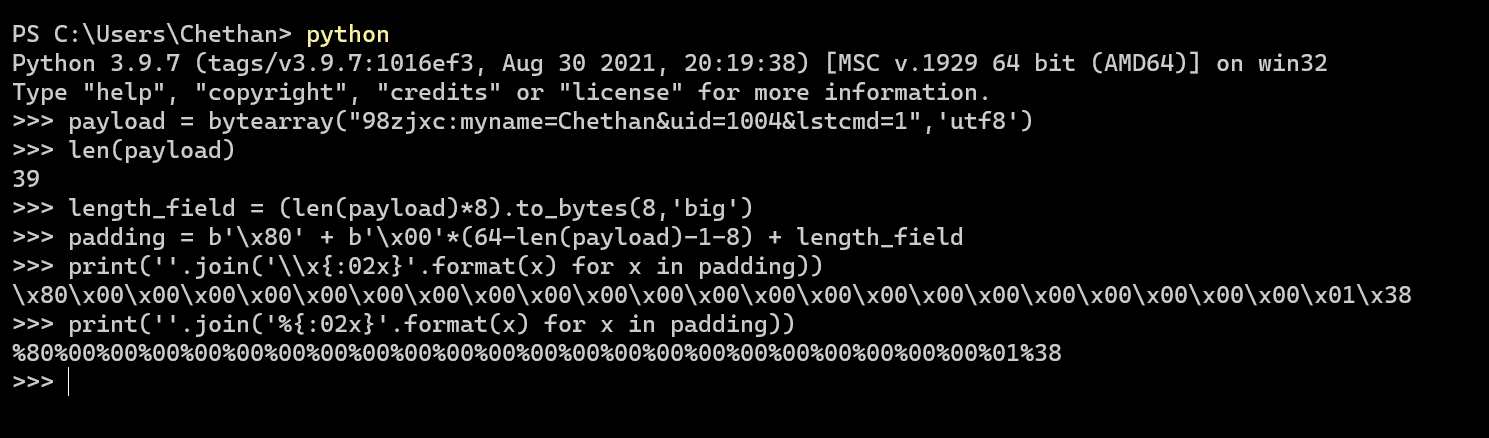






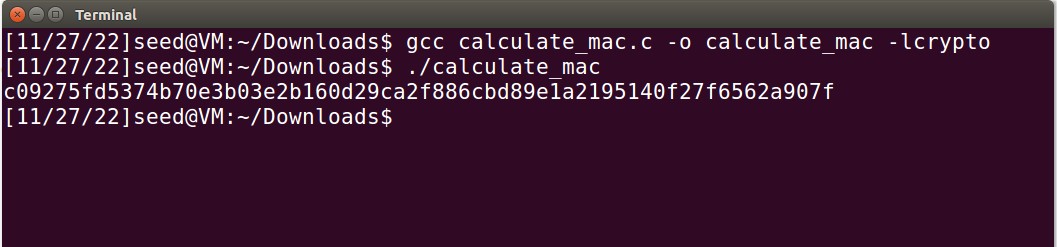
TASK-2 Create Padding

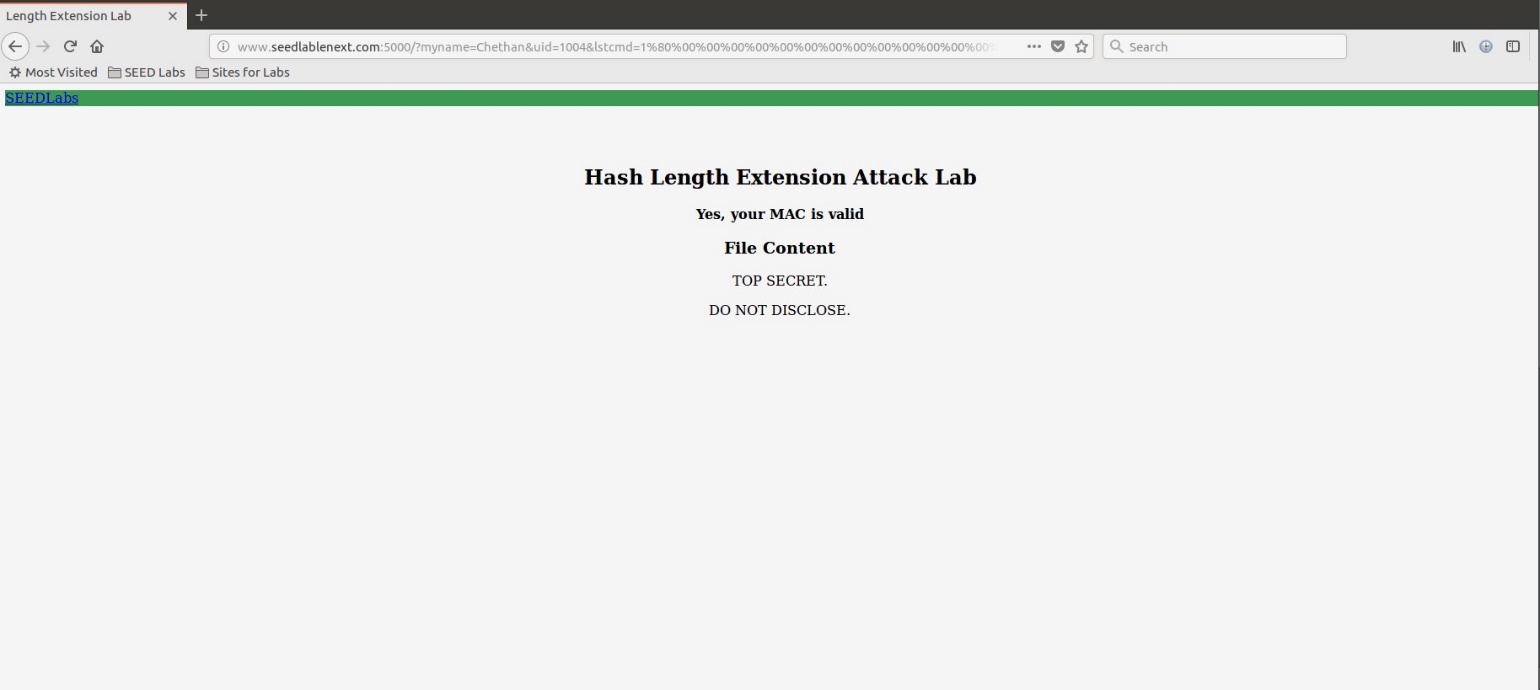
Creating pad using python :



% representation for the url encoding.

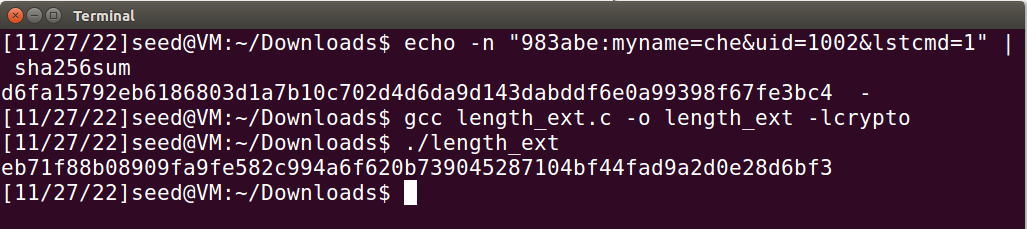
TASK-3 Compute MAC using Key

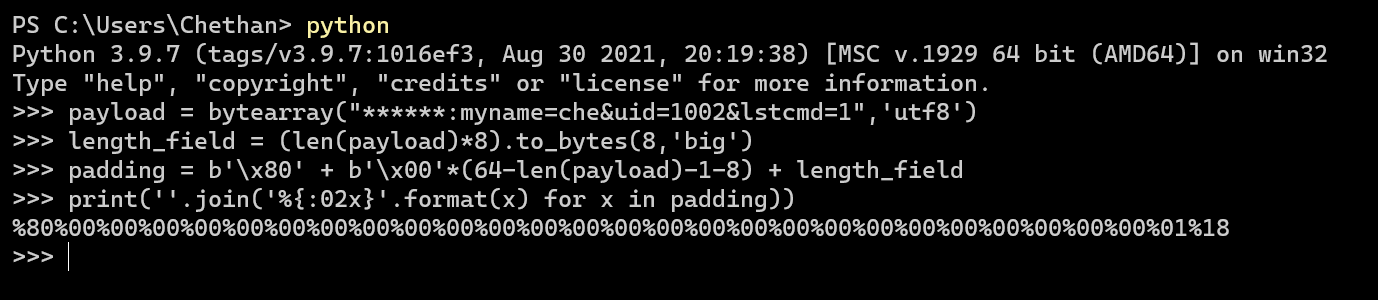


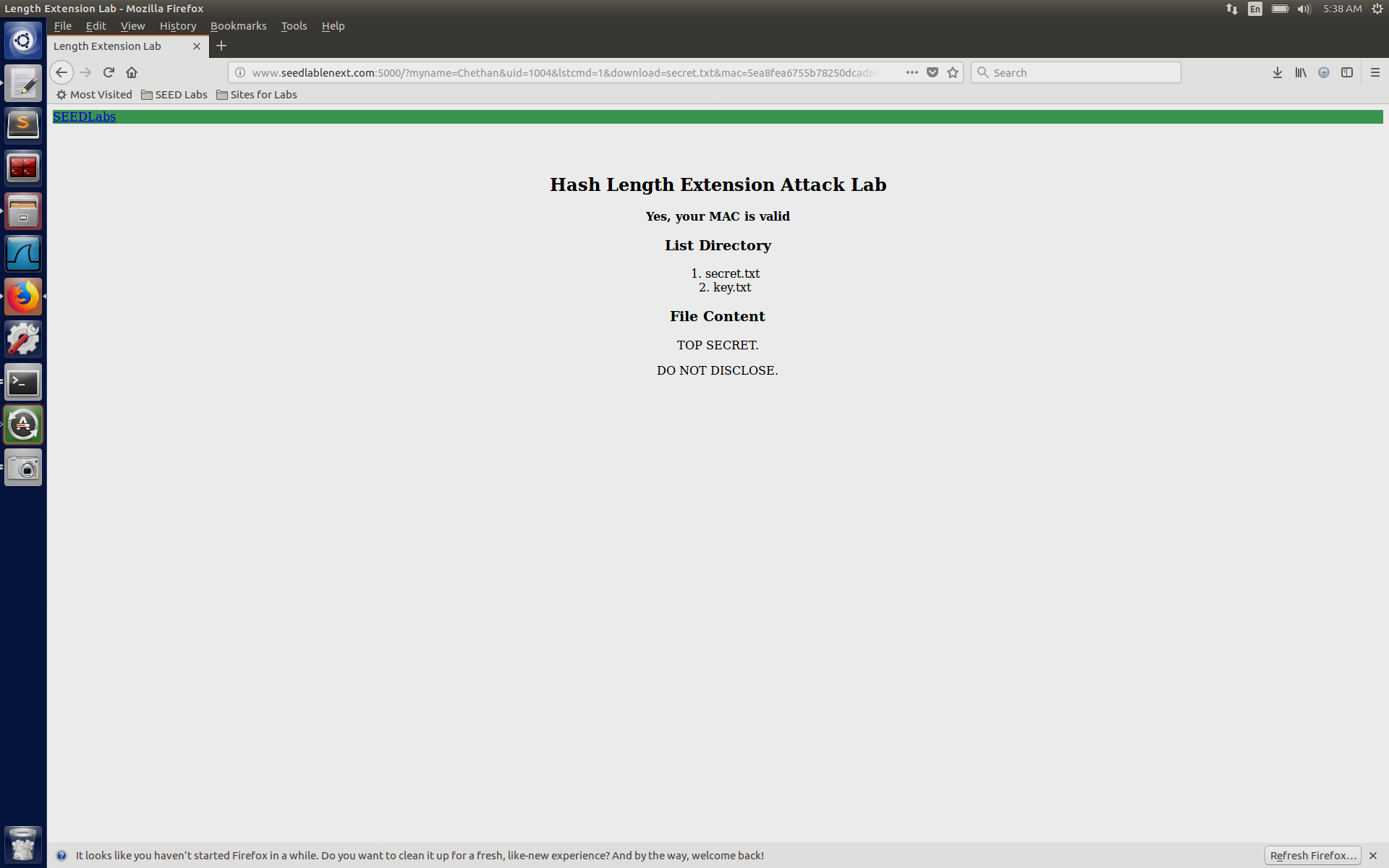


We are able to see the contents using calculated MAC.

TASK-4 Length extension attack







TASK-5 Attack Mitigation

Calculating HMAC:

