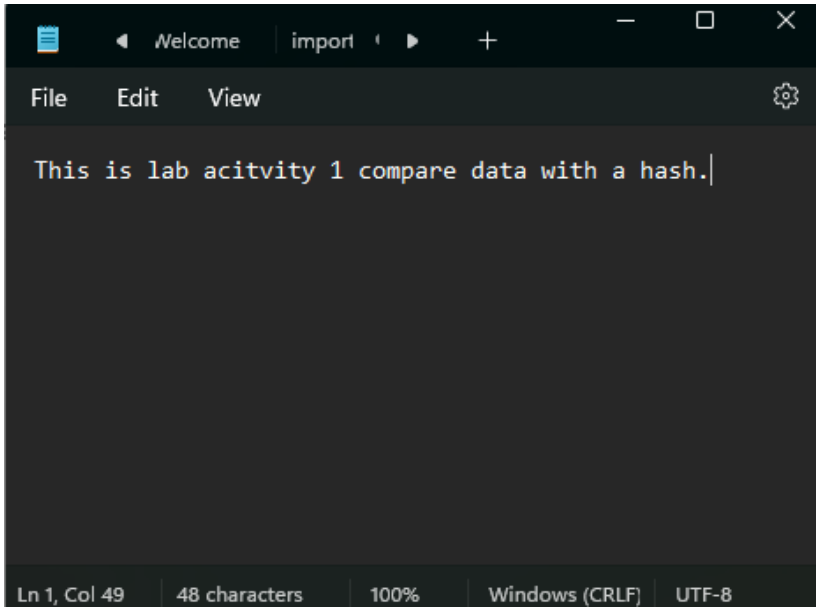
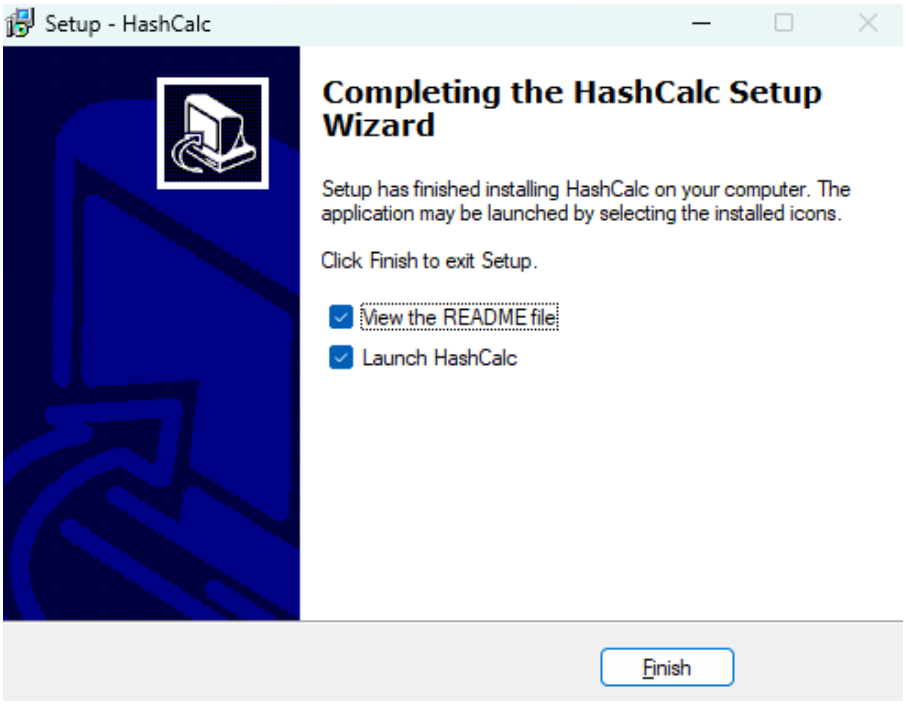
Name: Greendee Roper B. Panogalon **BSIT 3B**

Lab Activity 1: Compare Data with a Hash

1. Create a Text file

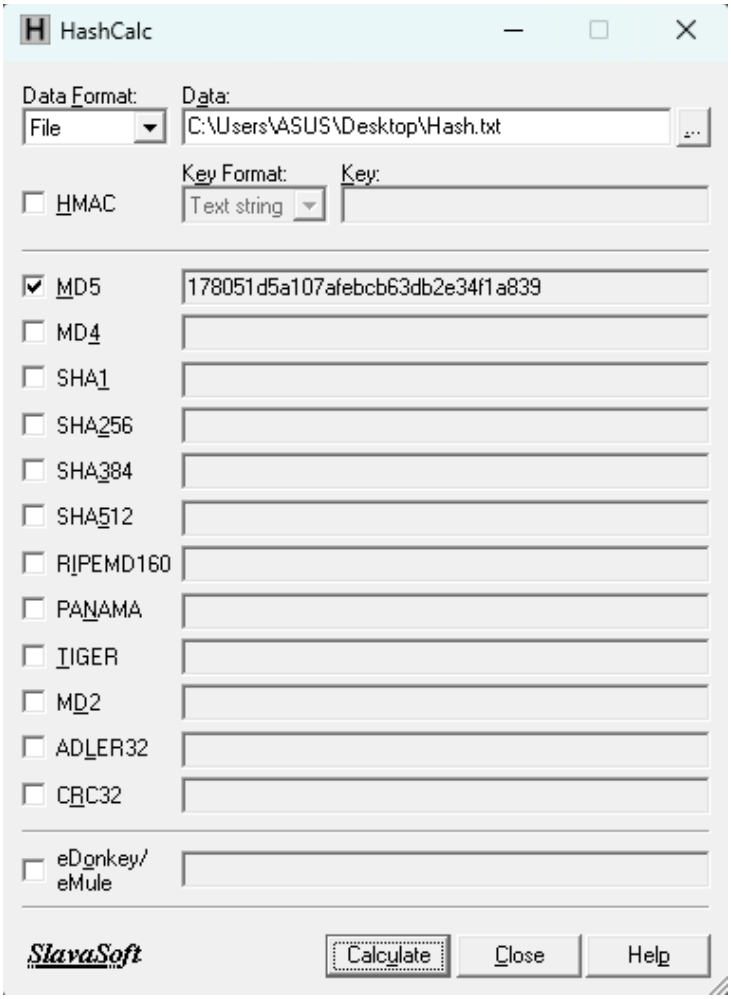


2. Install HashCalc

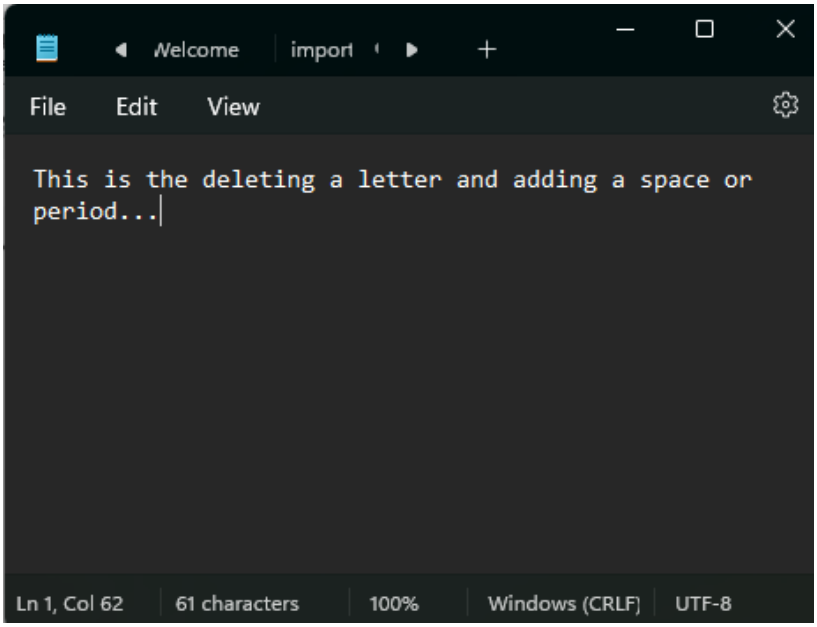


3. Calculate a hash of the Hash.txt file

What is the value next to MD5? **178051d5a107afebcb63db2e34f1a839**



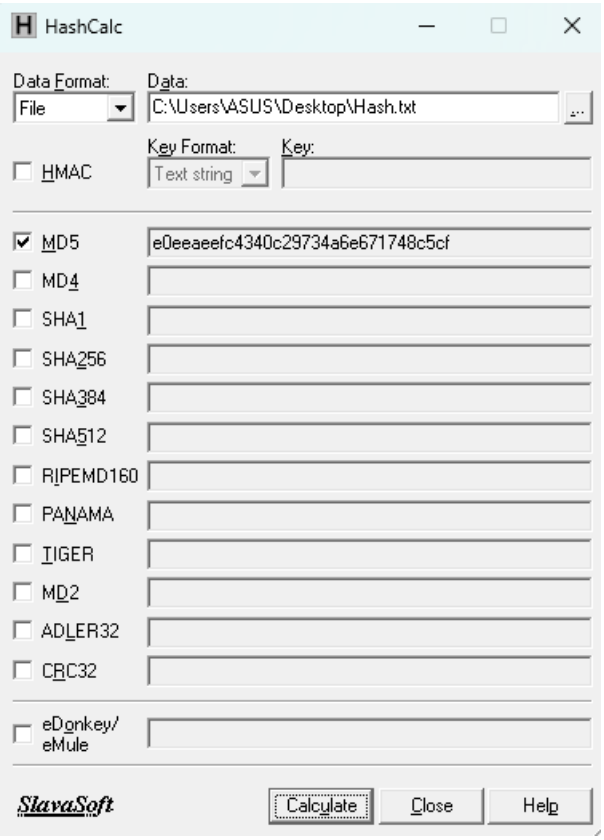
4. Make a change to the Hash.txt file



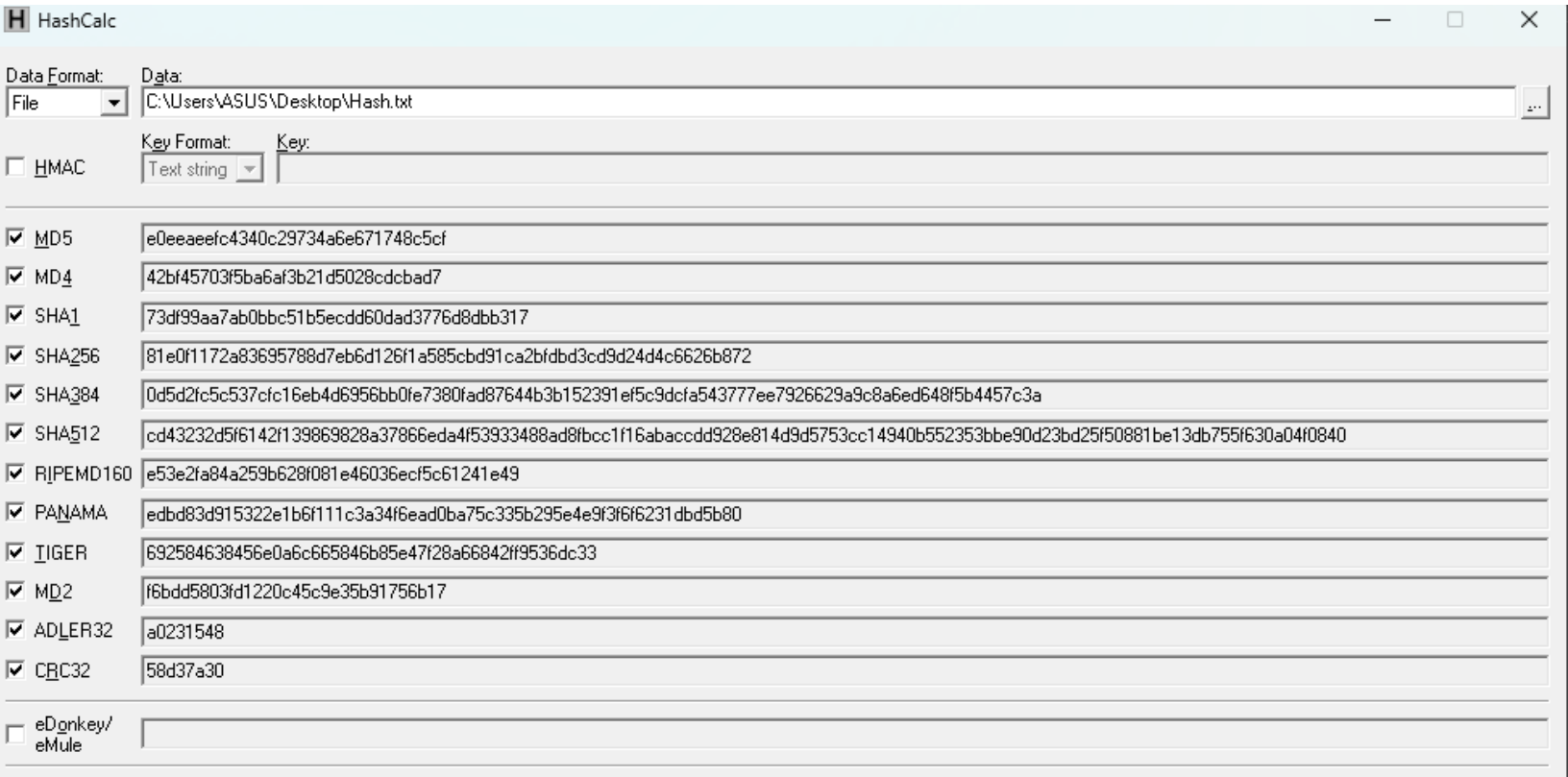
5. Calculate a new hash of the Hash.txt file

What is the value next to MD5? **e0eeaeefc4340c29734a6e671748c5cf**

Is the value different from the value recorded in Step 3? **YES**



b. Place a check mark next to all of the hash types.



d. Notice that many of the hash types create a hash of a different length. Why?

Because each of the hash types uses a different set of methods for converting input data into unique hash values, the outputs are different from one another. Every form of hash has a distinct function and varies in terms of application and security.