**Source Code:**

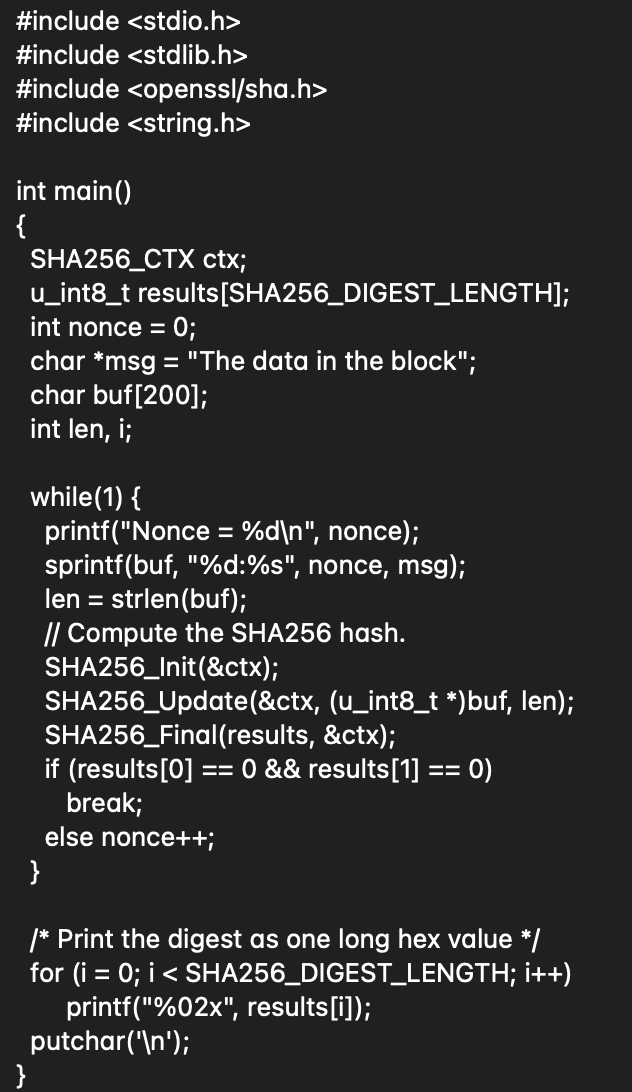
**print\_array.c**



**benign\_evil.c**



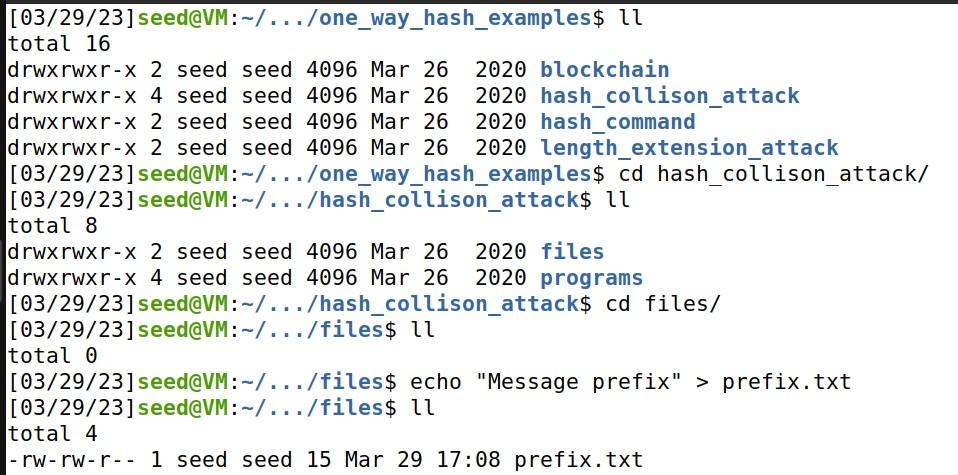
**find\_nonce.c**



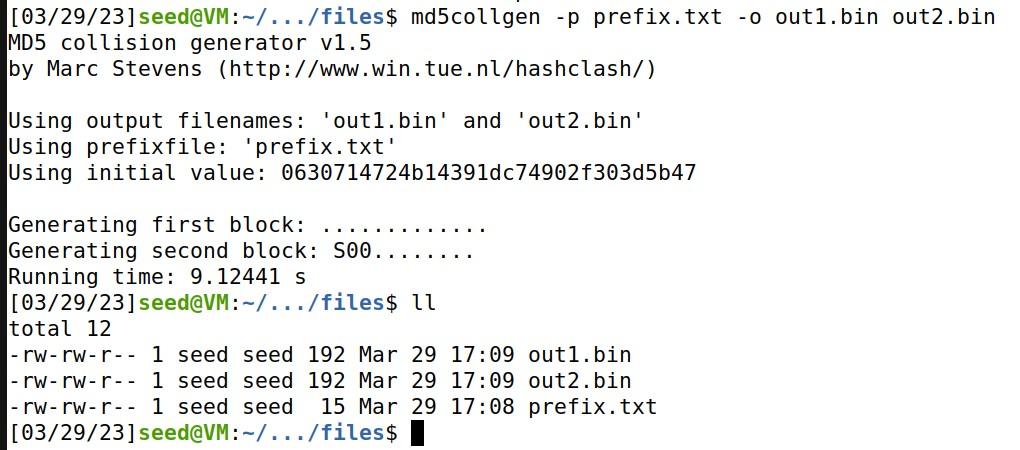
**LAB 9**

**MD5 Collision Attack Lab**

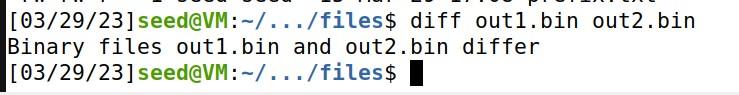
**Task 1: Generating Two Different Files with the Same MD5 Hash**



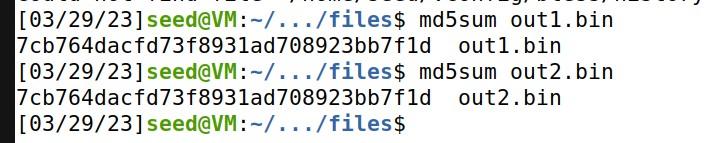
To generates two output files



To check whether the output files are distinct or not using the diff command.

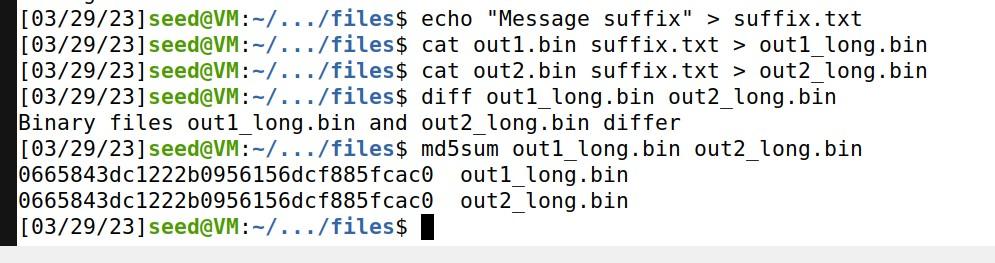


To check the MD5 hash of each output file.

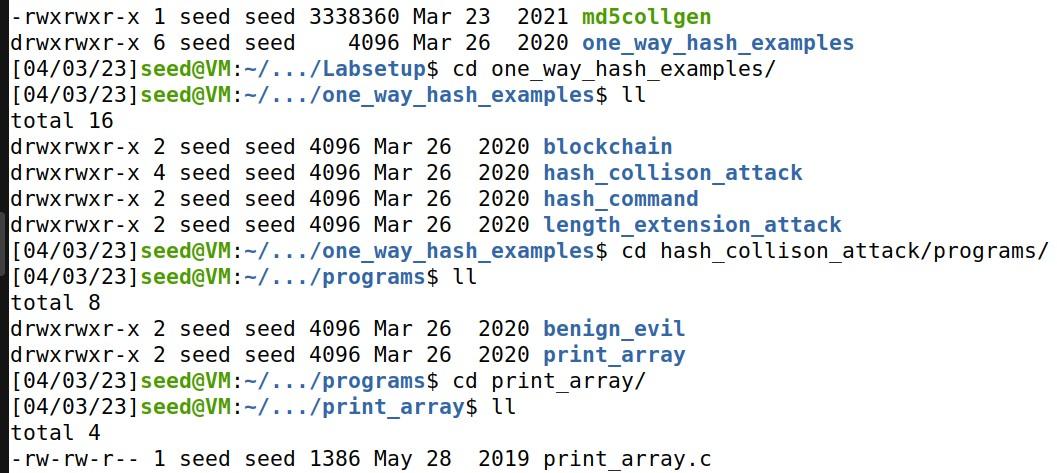


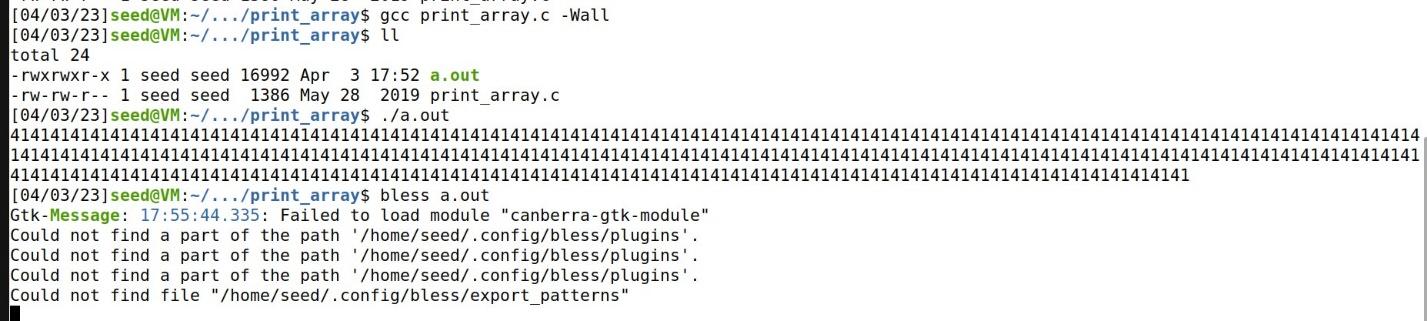
**Task 2: Understanding MD5’s Property**

To concatenates the contents of file2to the contents of file1, and places the result in file3.



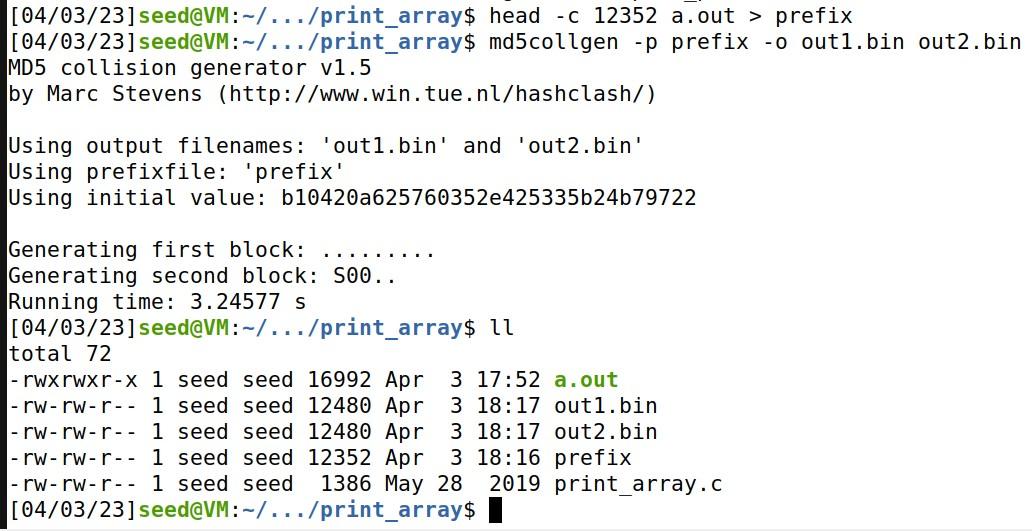
**Task 3: Generating Two Executable Files with the Same MD5 Hash**



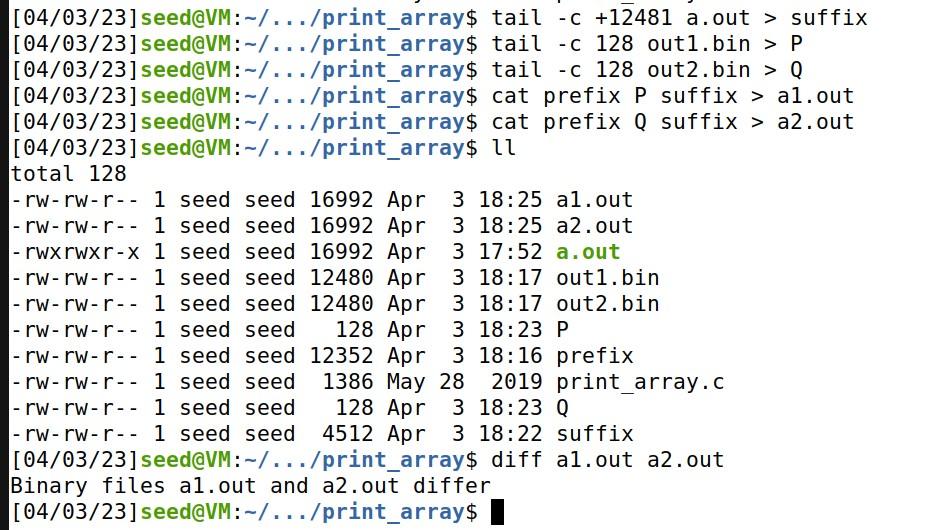




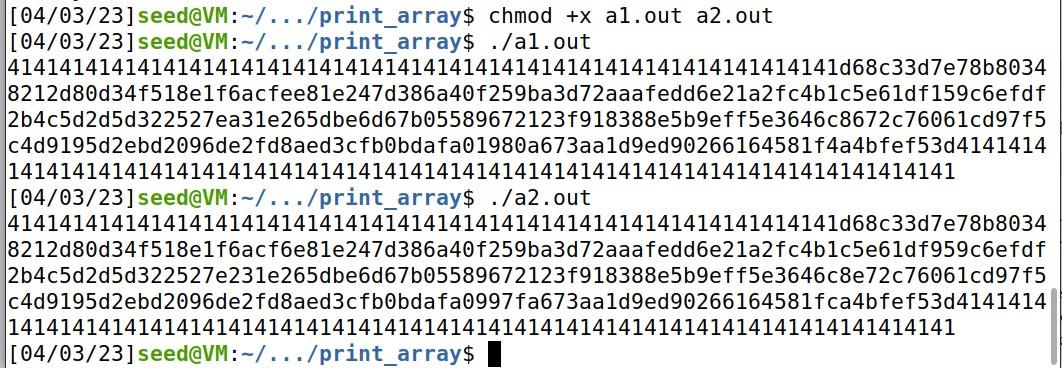
To get Prefix



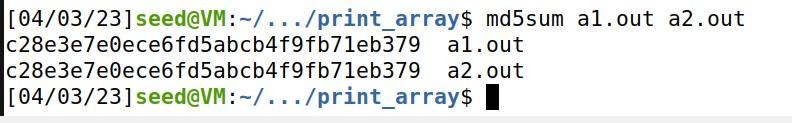
For Suffix and to compare:



To print out what they each contain, we have:

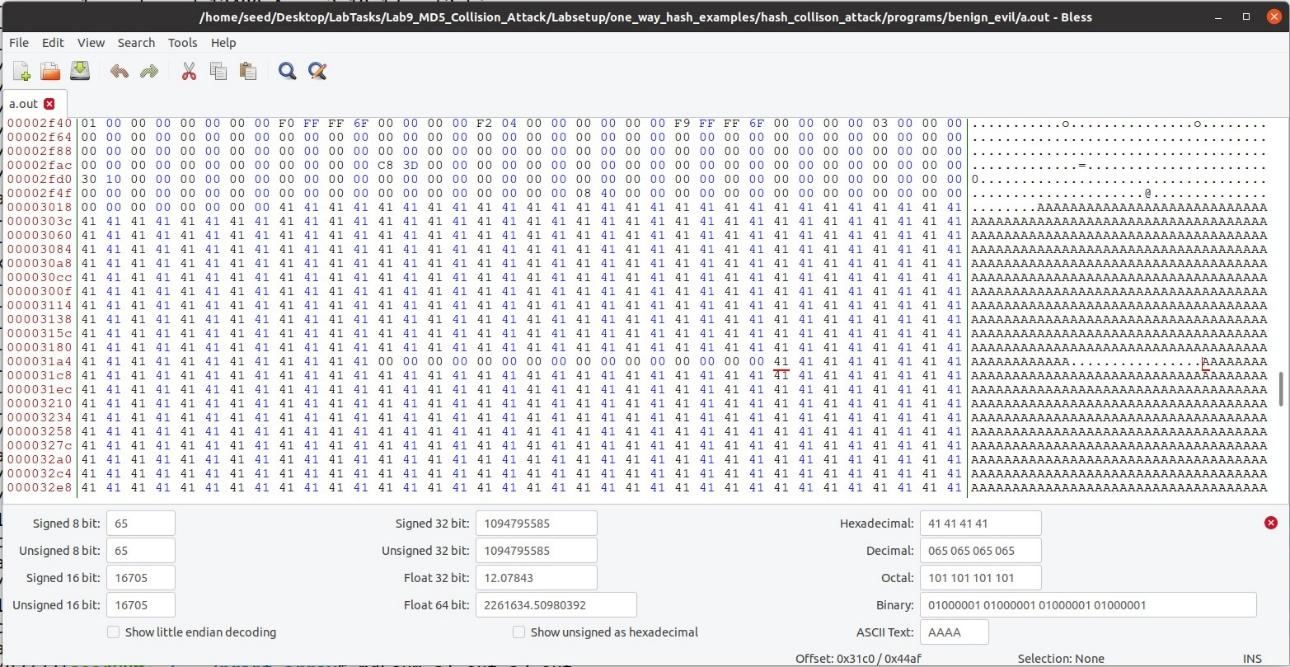


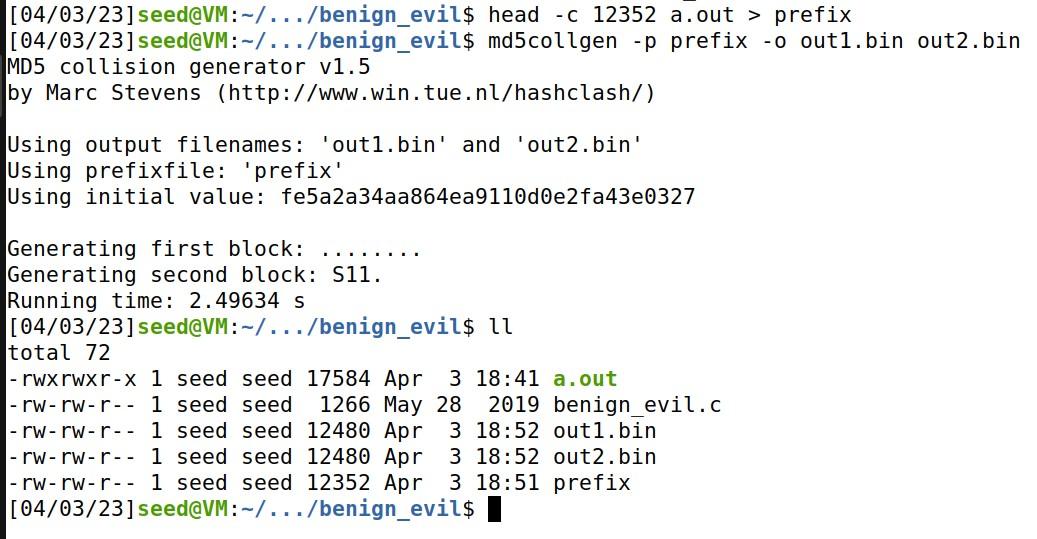
The final results shows they are identical



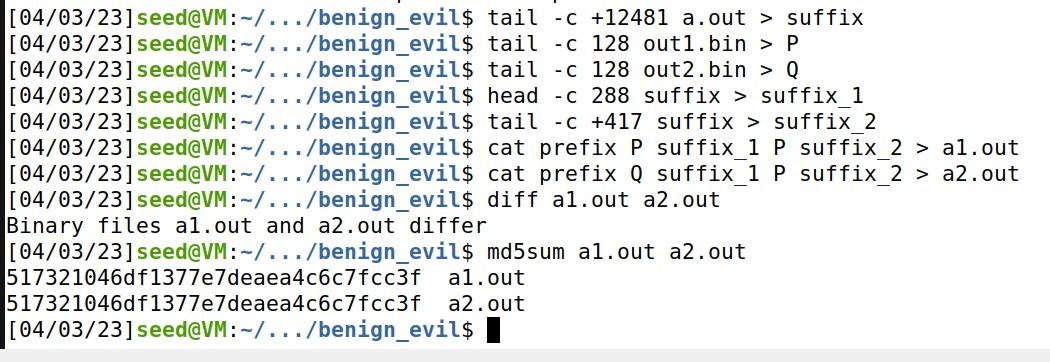
**Task 4: Making the Two Programs Behave Differently**







To compare:



For final results, we have:

