

- 1) Thread 3 cracked the password, it started with the letter v.
- 2) The three threads cooperated through memory sharing: When a thread finds the correct password, it then communicates through its shared variable that it has successfully found the password to the other threads. This then allows them to end their processes early.
- 3) If we consider the first order of testing (i, t, then v), threading is able to find the password significantly faster. I tested my program ten times and each time threading had a significantly faster time.
- 4) The Non Threaded execution was the fastest when the order i, v, then t was being used. This shows us that if we don't get "lucky" with the order of testing, threading tends to be the faster execution (better when it comes to worst case scenarios). However, in best case type scenarios non-threaded execution is faster.