Programming Assignment #3

Salted Password
CIS 3360, Spring 2018

Contents

i. Source Code File: **salt.c**
ii. Executables: **salt.exe**
iii. Assignment Report (Program Instruction)
iv. Expected Program Output (Screenshots)

Developer: Zach Newsom

iv. Assignment Report (Program Instruction)

From the zip folder submitted through Webcourses entitled '*Assignment 3*', run the provided executable file by typing "*./salt*" at your terminal prompt.

```
za978545@net1547:~/salt$ ./salt
```

You will then be prompted to enter the name of the file the wish to use as input to this program. The provided password doument has been included with the zip folder and is titled '*password.txt*'.

```
[za978545@net1547:~/salt$ ./salt                                          ]
 Enter the name of your password file.
 password.txt
```

Finally, you'll be prompted to enter a hashed value you wish the program to search for within the generated dictionary file.

```
[za978545@net1547:~/salt$ ./salt                                          ]
 Enter the name of your password file.
[password.txt                                                             ]
 Enter the target hash value.
 80998949
```

See next page for expected program output...

v. Expected Program Output

If the program successfully locates your targeted hash value within the dictionary file, the output should be similar to this:

```
[za978545@net1547:~/salt$ ./salt                                                    ]
 Enter the name of your password file.
[password.txt                                                                       ]
 Enter the target hash value.
[80998949                                                                           ]
 Password Recovered!
 Password: VPDZRA
 Salt Value: 588
 Entries Searched: 8589
```

If the program is not able to locate your targeted hash value, the output should be similar to this:

```
[za978545@net1547:~/salt$ ./salt                                                    ]
 Enter the name of your password file.
[password.txt                                                                       ]
 Enter the target hash value.
[8675309                                                                            ]
 Password was not found.
 Entries searched: 100000
 za978545@net1547:~/salt$
```

Developer: Zach Newsom