

## 1 STEP 0: Download and setup:

1. `git clone git@github.com:shamindras/clmystery.git`
2. `git remote add upstream git@github.com:veltman/clmystery.git`
3. `git remote -v`

## 2 STEP 1: Examine instructions:

1. `less instruction`
2. # Need 'mystery' dir and 'crimescene' file
3. # Need to 'grep' for 'CLUE'
4. # We will check the solution using a simple command as follows:
5. `echo "John Doe" | /sbin/md5 | \grep --color -qif /dev/stdin  
encoded && echo CORRECT\! GREAT WORK, GUMSHOE. || echo SORRY,  
TRY AGAIN.`
6. `cd mystery`
7. `less crimescene`
8. `\grep --color -nr "CLUE" crimescene`

crimescene:9213:CLUE: Footage from an ATM security camera is blurry  
but shows that the perpetrator is a \*tall male, at least 6'\*.

crimescene:9370:CLUE: Found a wallet believed to belong to the killer: no ID,  
just loose change, and \*membership cards for AAA, Delta SkyMiles, the local  
library, and the Museum of Bash History\*. The cards are totally  
untraceable and have no name, for some reason.

crimescene:11002:CLUE: Questioned the \*barista\* at the local coffee shop.  
He said a \*woman\* left right before they heard the shots. The name on her  
latte was \*Annabel\*, she had \*blond spiky hair\* and a \*New Zealand accent\*.

### 3 STEP 2: Examine People

1. # Search for all Female (F) Annabels

2. \grep --color -e 'Annabel.\*F'people

Annabel Sun F 26 Hart Place, line 40

Annabel Church F 38 Buckingham Place, line 179

Annabel Fuglsang M 40 Haley Street, line 176

3. # It looks like \*Annabel Sun\* and \*Annabel Church\* are the  
2 Females

### 4 STEP 3: Examine memberships:

1. cd memberships

2. less Delta\_SkyMiles

3. # Looks like we need to do a uniq set intersection between  
\*AAA\*, \*Delta SkyMiles\*, \*local library\*, \*Museum of Bash History\*

4. comm -12 <(comm -12 <(sort AAA) <(sort Delta\_SkyMiles)) Museum\_  
of\_Bash\_History

Yu Sakaguchi

5. comm -12 <(comm -12 <(comm -12 <(sort AAA) <(sort Delta\_SkyMiles))  
Museum\_of\_Bash\_History) Terminal\_City\_Library

6. cd ..

7. \grep --color "Yu Sakaguchi" people

8. # Yu Sakaguchi F 80 \*Rozella Street, line 281\*

### 5 STEP 4: Examine streets:

1. cd streets

2. # We want to search Hart Place, Buckingham Place, Rozella St

3. sed -n '40p' Hart\_Place

SEE INTERVIEW #47246024

4. sed -n '179p' Buckingham\_Place

SEE INTERVIEW #699607

5. sed -n '281p' Rozella\_Street

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6. # This looks like a dead end. We will focus on the other clues.

## 6 STEP 5: Examine Interviews:

1. cd ../interviews

2. # Annabel Sun F 26 \*Hart Place, line 40\*

3. less interview-47246024

Ms. Sun has brown hair and is not from New Zealand.  
Not the witness from the cafe.

4. # Annabel Church F 38 \*Buckingham Place, line 179\*

5. less interview-699607

Interviewed Ms. Church at 2:04 pm. Witness stated that she did not see anyone she could identify as the shooter, that she ran away as soon as the shots were fired. However, she reports seeing the \*car\* that fled the scene. Describes it as a \*blue Honda\*, with a license plate that \*starts with\* "L337\*" and \*ends with\* "9"

## 7 STEP 6: Examine vehicles:

1. cd ..

2. \grep --color -A 5 "L337" vehicles

3. # License Plate L337ZR9

Make: Honda  
Color: Red  
Owner: Katie Park  
Height: 6'2"  
Weight: 189 lbs

License Plate L337P89  
Make: Honda  
Color: Teal  
Owner: Mike Bostock  
Height: 6'4"  
Weight: 173 lbs

License Plate L337GX9  
Make: Mazda  
Color: Orange  
Owner: John Keefe  
Height: 6'4"  
Weight: 185 lbs

License Plate L337QE9  
Make: Honda  
Color: Blue  
Owner: Erika Owens  
Height: 6'5"  
Weight: 220 lbs

License Plate L337GB9  
Make: Toyota  
Color: Blue  
Owner: Matt Waite  
Height: 6'1"  
Weight: 190 lbs

License Plate L337OI9  
Make: Jaguar  
Color: Blue  
Owner: Brian Boyer  
Height: 6'6"  
Weight: 201 lbs

License Plate L337X19  
Make: Fiat  
Color: Blue  
Owner: Al Shaw  
Height: 6'5"  
Weight: 240 lbs

License Plate L337539  
Make: Honda  
Color: Blue  
Owner: Aron Pilhofer  
Height: 5'3"  
Weight: 198 lbs

License Plate L3373U9  
Make: Ford  
Color: Blue  
Owner: Miranda Mulligan  
Height: 6'6"  
Weight: 156 lbs

License Plate L337369  
Make: Honda  
Color: Blue  
Owner: Heather Billings  
Height: 5'2"  
Weight: 244 lbs

License Plate L337DV9  
Make: Honda  
Color: Blue  
Owner: Joe Germuska  
Height: 6'2"  
Weight: 164 lbs

License Plate L3375A9  
Make: Honda  
Color: Blue  
Owner: Jeremy Bowers

Height: 6'1"  
Weight: 204 lbs

License Plate L337WR9  
Make: Honda  
Color: Blue  
Owner: Jacqui Maher  
Height: 6'2"  
Weight: 130 lbs

4. # We know that the suspect is atleast \*6' tall\*
5. # So we have narrowed the list of suspects down to: \*Joe Germuska, Jeremy Bowers\*. Let's check:
6. echo "Joe Germuska" | /sbin/md5 | \grep --color --color -qif /dev/stdin encoded && echo CORRECT\! GREAT WORK, GUMSHOE.  
|| echo SORRY, TRY AGAIN.
7. # SORRY, TRY AGAIN.
8. echo "Jeremy Bowers" | /sbin/md5 | \grep --color --color -qif /dev/stdin encoded && echo CORRECT\! GREAT WORK, GUMSHOE.  
|| echo SORRY, TRY AGAIN.
9. # CORRECT! GREAT WORK, GUMSHOE.
10. Yay looks like we have found the murderer i.e. **Jeremy Bowers**
11. Well done - now go and do the other problems in STAT\_36750!