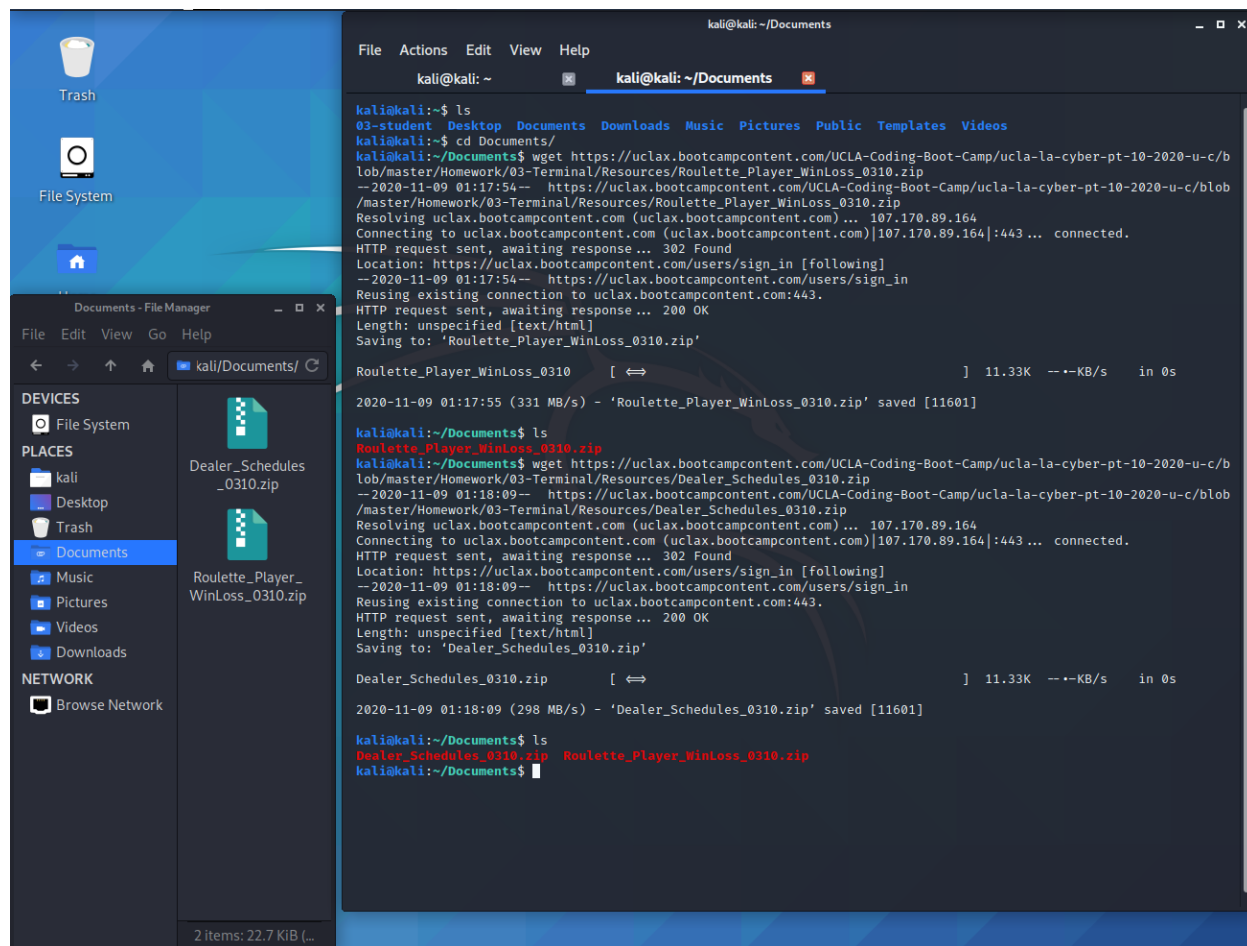


Week 3 Homework: A High Stakes Investigation



Step 1: Investigation Preparation

```

kali@kali:~/Documents$ mkdir Lucky_Duck_Investigations
kali@kali:~/Documents$ cd Lucky_Duck_Investigations/
kali@kali:~/Documents/Lucky_Duck_Investigations$ mkdir Roulette_Loss_Investigation
kali@kali:~/Documents/Lucky_Duck_Investigations$ cd Roulette_Loss_Investigation/
kali@kali:~/Documents/Lucky_Duck_Investigations/Roulette_Loss_Investigation$ mkdir Player_Analysis
Dealer_Analysis
kali@kali:~/Documents/Lucky_Duck_Investigations/Roulette_Loss_Investigation$ mkdir
Player_Dealer_Correlation
kali@kali:~/Documents/Lucky_Duck_Investigations/Roulette_Loss_Investigation$ ls -l
total 12
drwxr-xr-x 2 kali kali 4096 Nov  9 01:37 Dealer_Analysis
drwxr-xr-x 2 kali kali 4096 Nov  9 01:37 Player_Analysis
drwxr-xr-x 2 kali kali 4096 Nov  9 01:37 Player_Dealer_Correlation
kali@kali:~/Documents/Lucky_Duck_Investigations/Roulette_Loss_Investigation$ touch
Player_Analysis/Notes_Player_Analysis.txt Dealer_Analysis/Notes_Dealer_Analysis.txt
Player_Dealer_Correlation/Notes_Player_Dealer_Correlation.txt
kali@kali:~/Documents/Lucky_Duck_Investigations/Roulette_Loss_Investigation$ tree
bash: tree: command not found
kali@kali:~/Documents/Lucky_Duck_Investigations/Roulette_Loss_Investigation$ cd Player_Analysis/
kali@kali:~/Documents/Lucky_Duck_Investigations/Roulette_Loss_Investigation/Player_Analysis$ ls
Notes_Player_Analysis.txt
kali@kali:~/Documents/Lucky_Duck_Investigations/Roulette_Loss_Investigation/Player_Analysis$ cd ../
kali@kali:~/Documents/Lucky_Duck_Investigations/Roulette_Loss_Investigation$ cd Dealer_Analysis/
kali@kali:~/Documents/Lucky_Duck_Investigations/Roulette_Loss_Investigation/Dealer_Analysis$ ls
Notes_Dealer_Analysis.txt
kali@kali:~/Documents/Lucky_Duck_Investigations/Roulette_Loss_Investigation/Dealer_Analysis$ cd ../
kali@kali:~/Documents/Lucky_Duck_Investigations/Roulette_Loss_Investigation$ cd
Player_Dealer_Correlation/
kali@kali:~/Documents/Lucky_Duck_Investigations/Roulette_Loss_Investigation/Player_Dealer_Correlati
on$ ls
Notes_Player_Dealer_Correlation.txt

```

Step 2: Gathering Evidence

```

kali@kali:~/Documents/Lucky_Duck_Investigations/Roulette_Loss_Investigation$ cd ../../
kali@kali:~/Documents$ ls
Lucky_Duck_Investigations
kali@kali:~/Documents$ wget "https://tinyurl.com/3-HW-setup-evidence" && chmod +x
./3-HW-setup-evidence && ./3-HW-setup-evidence
--2020-11-09 01:43:00-- https://tinyurl.com/3-HW-setup-evidence
Resolving tinyurl.com (tinyurl.com)... 104.20.138.65, 172.67.1.225, 104.20.139.65, ...
Connecting to tinyurl.com (tinyurl.com)|104.20.138.65|:443... connected.
HTTP request sent, awaiting response... 301 Moved Permanently
Location:
https://gist.githubusercontent.com/eddimus/e57fcb9510dd18225142cb23f236da24/raw/39f7f71b22ae799
7e92d82e57aedd02bbb6dd481/Setup_Evidence_Files.sh [following]

```

--2020-11-09 01:43:00--

https://gist.githubusercontent.com/eddimus/e57fcb9510dd18225142cb23f236da24/raw/39f7f71b22ae7997e92d82e57aedd02bbb6dd481/Setup_Evidence_Files.sh

Resolving gist.githubusercontent.com (gist.githubusercontent.com)... 151.101.196.133

Connecting to gist.githubusercontent.com (gist.githubusercontent.com)[151.101.196.133]:443... connected.

HTTP request sent, awaiting response... 200 OK

Length: 32625 (32K) [text/plain]

Saving to: '3-HW-setup-evidence'

3-HW-setup-evidence 100%[=====>] 31.86K

--.-KB/s in 0.01s

2020-11-09 01:43:00 (2.13 MB/s) - '3-HW-setup-evidence' saved [32625/32625]

kali@kali:~/Documents\$ ls -l

total 44

-rwxr-xr-x 1 kali kali 32625 Nov 9 01:43 3-HW-setup-evidence

drwxr-xr-x 2 kali kali 4096 Nov 9 01:43 Dealer_Schedules_0310

drwxr-xr-x 3 kali kali 4096 Nov 9 01:36 Lucky_Duck_Investigations

drwxr-xr-x 2 kali kali 4096 Nov 9 01:43 Roulette_Player_WinLoss_0310

kali@kali:~/Documents\$

kali@kali:~/Documents\$ mv Dealer_Schedules_0310/0310* ./

kali@kali:~/Documents\$ mv Dealer_Schedules_0310/0312* ./

kali@kali:~/Documents\$ mv Dealer_Schedules_0310/0315* ./

kali@kali:~/Documents\$ mv 0310*

Lucky_Duck_Investigations/Roulette_Loss_Investigation/Dealer_Analysis/

kali@kali:~/Documents\$ mv 0312*

Lucky_Duck_Investigations/Roulette_Loss_Investigation/Dealer_Analysis/

kali@kali:~/Documents\$ mv 0315*

Lucky_Duck_Investigations/Roulette_Loss_Investigation/Dealer_Analysis/

kali@kali:~/Documents\$ cd ~/Documents

kali@kali:~/Documents\$ mv Roulette_Player_WinLoss_0310/0310* ./

kali@kali:~/Documents\$ mv Roulette_Player_WinLoss_0310/0312* ./

kali@kali:~/Documents\$ mv Roulette_Player_WinLoss_0310/0315* ./

kali@kali:~/Documents\$ mv 0310*

Lucky_Duck_Investigations/Roulette_Loss_Investigation/Player_Analysis/

kali@kali:~/Documents\$ mv 0312*

Lucky_Duck_Investigations/Roulette_Loss_Investigation/Player_Analysis/

kali@kali:~/Documents\$ mv 0315*

Lucky_Duck_Investigations/Roulette_Loss_Investigation/Player_Analysis/

Step 3: Correlating the Evidence

```
kali@kali:~/Documents$ ls
3-HW-setup-evidence Dealer_Schedules_0310 Lucky_Duck_Investigations
Roulette_Player_WinLoss_0310
kali@kali:~/Documents$ cd Lucky_Duck_Investigations/
kali@kali:~/Documents/Lucky_Duck_Investigations$ cd Roulette_Loss_Investigation/
kali@kali:~/Documents/Lucky_Duck_Investigations/Roulette_Loss_Investigation$ ls
Dealer_Analysis Player_Analysis Player_Dealer_Correlation
kali@kali:~/Documents/Lucky_Duck_Investigations/Roulette_Loss_Investigation$ cd Player_Analysis/
kali@kali:~/Documents/Lucky_Duck_Investigations/Roulette_Loss_Investigation/Player_Analysis$ ls -l
total 12
-rw-r--r-- 1 kali kali 2319 Nov  9 01:55 0310_win_loss_player_data
-rw-r--r-- 1 kali kali 2379 Nov  9 01:55 0312_win_loss_player_data
-rw-r--r-- 1 kali kali 2310 Nov  9 01:55 0315_win_loss_player_data
-rw-r--r-- 1 kali kali   0 Nov  9 01:38 Notes_Player_Analysis.txt

kali@kali:~/Documents/Lucky_Duck_Investigations/Roulette_Loss_Investigation/Player_Analysis$ head
0310_win_loss_player_data
Hour      Won/Loss  Players
12:00:00 AM  $2,383   Haley Hall,Heath Medina,Deniz Howarth,Nada Ferreira
01:00:00 AM  $6,273   Mcfadden Wasim, Norman Cooper, Pruitt Krishan, Wooten Zeeshan, Dunne
Farrell
02:00:00 AM  $8,234   Chanelle Tapia, Shelley Dodson , Valentino Smith
03:00:00 AM  $1,738   Conal Walton, Ibrahim Roy, Indiana Moyer, Nola Portillo, Nathaniel Barron
04:00:00 AM  $1,800   Amirah Schneider,Mylie Schmidt,Suhayb Maguire,Millicent Betts,Avi
Graves,Kayan Stuart
05:00:00 AM  -$82,348 Amirah Schneider,Nola Portillo, Mylie Schmidt,Suhayb Maguire,Millicent
Betts,Avi Graves
06:00:00 AM  $13,823   Haley Hall,Heath Medina,Deniz Howarth,Nada Ferreira
07:00:00 AM  $17,628   Mcfadden Wasim, Norman Cooper, Pruitt Krishan, Wooten Zeeshan, Dunne
Farrell
08:00:00 AM  -$97,383 Chanelle Tapia, Shelley Dodson , Valentino Smith, Mylie Schmidt
kali@kali:~/Documents/Lucky_Duck_Investigations/Roulette_Loss_Investigation/Player_Analysis$ cat
0310_win_loss_player_data
Hour      Won/Loss  Players
12:00:00 AM  $2,383   Haley Hall,Heath Medina,Deniz Howarth,Nada Ferreira
01:00:00 AM  $6,273   Mcfadden Wasim, Norman Cooper, Pruitt Krishan, Wooten Zeeshan, Dunne
Farrell
02:00:00 AM  $8,234   Chanelle Tapia, Shelley Dodson , Valentino Smith
03:00:00 AM  $1,738   Conal Walton, Ibrahim Roy, Indiana Moyer, Nola Portillo, Nathaniel Barron
04:00:00 AM  $1,800   Amirah Schneider,Mylie Schmidt,Suhayb Maguire,Millicent Betts,Avi
Graves,Kayan Stuart
05:00:00 AM  -$82,348 Amirah Schneider,Nola Portillo, Mylie Schmidt,Suhayb Maguire,Millicent
Betts,Avi Graves
06:00:00 AM  $13,823   Haley Hall,Heath Medina,Deniz Howarth,Nada Ferreira
07:00:00 AM  $17,628   Mcfadden Wasim, Norman Cooper, Pruitt Krishan, Wooten Zeeshan, Dunne
Farrell
```

08:00:00 AM	-\$97,383	Chanelle Tapia, Shelley Dodson , Valentino Smith, Mylie Schmidt
09:00:00 AM	\$383	Conal Walton, Ibrahim Roy, Indiana Moyer, Nola Portillo, Nathaniel Barron
10:00:00 AM	\$6,273	Alexandria Arias, Sohail Bain, Ayman Thornton, Jaden Clarkson, Kaidan Sheridan, EllaMay Lowry, Antonina Gilbert
11:00:00 AM	\$8,234	Chanelle Tapia, Sohail Bain, Ayman Thornton, Jaden Clarkson, Kaidan Sheridan, EllaMay Lowry, Antonina Gilbert
12:00:00 PM	\$1,738	Conal Walton, Ibrahim Roy, Indiana Moyer, Nola Portillo, Nathaniel Barron
01:00:00 PM	\$1,800	Alexandria Arias, Sohail Bain, Ayman Thornton, Jaden Clarkson, Kaidan Sheridan, EllaMay Lowry, Antonina Gilbert
02:00:00 PM	-\$82,348	Jaden Clarkson, Kaidan Sheridan, Mylie Schmidt
03:00:00 PM	\$12,383	Amirah Schneider,Nola Portillo, Mylie Schmidt,Suhayb Maguire,Millicent Betts,Avi Graves,Kayan Stuart
04:00:00 PM	\$6,273	Haley Hall,Heath Medina,Deniz Howarth,Nada Ferreira
05:00:00 PM	\$8,234	Mcfadden Wasim, Norman Cooper, Pruitt Krishan, Wooten Zeeshan, Dunne Farrell
06:00:00 PM	\$1,738	Chanelle Tapia, Shelley Dodson , Valentino Smith
07:00:00 PM	\$1,800	Elliott Rose, Dwayne Robin, Trixie Velasquez, Jerome Klein ,Rahma Buckley
08:00:00 PM	-\$65,348	Mylie Schmidt, Trixie Velasquez, Jerome Klein ,Rahma Buckley
09:00:00 PM	\$23,823	Rahma Buckley
10:00:00 PM	\$17,628	Haley Hall,Heath Medina,Deniz Howarth,Nada Ferreira
11:00:00 PM	-\$88,383	Mcfadden Wasim, Norman Cooper, Mylie Schmidt

```
kali@kali:~/Documents/Lucky_Duck_Investigations/Roulette_Loss_Investigation/Player_Analysis$ grep -
0310_win_loss_player_data > Roulette_Losses_10.txt
```

```
kali@kali:~/Documents/Lucky_Duck_Investigations/Roulette_Loss_Investigation/Player_Analysis$ grep -
0312_win_loss_player_data > Roulette_Losses_12.txt
```

```
kali@kali:~/Documents/Lucky_Duck_Investigations/Roulette_Loss_Investigation/Player_Analysis$ grep -
0315_win_loss_player_data > Roulette_Losses_15.txt
```

```
kali@kali:~/Documents/Lucky_Duck_Investigations/Roulette_Loss_Investigation/Player_Analysis$ cat
Roulette_Losses_10.txt Roulette_Losses_12.txt Roulette_Losses_15.txt > Roulette_Losses_All.txt
```

```
kali@kali:~/Documents/Lucky_Duck_Investigations/Roulette_Loss_Investigation/Player_Analysis$ cat
Roulette_Losses_All.txt
```

05:00:00 AM	-\$82,348	Amirah Schneider,Nola Portillo, Mylie Schmidt,Suhayb Maguire,Millicent Betts,Avi Graves
-------------	-----------	---

08:00:00 AM	-\$97,383	Chanelle Tapia, Shelley Dodson , Valentino Smith, Mylie Schmidt
-------------	-----------	---

02:00:00 PM	-\$82,348	Jaden Clarkson, Kaidan Sheridan, Mylie Schmidt
-------------	-----------	--

08:00:00 PM	-\$65,348	Mylie Schmidt, Trixie Velasquez, Jerome Klein ,Rahma Buckley
-------------	-----------	--

11:00:00 PM	-\$88,383	Mcfadden Wasim, Norman Cooper, Mylie Schmidt
-------------	-----------	--

05:00:00 AM	-\$182,300	Montana Kirk, Alysia Goodman, Halima Little, Etienne Brady, Mylie Schmidt
-------------	------------	---

08:00:00 AM	-\$97,383	Rimsha Gardiner,Fern Cleveland, Mylie Schmidt,Kobe Higgins
-------------	-----------	--

02:00:00 PM	-\$82,348	Mae Hail, Mylie Schmidt,Ayden Beil
-------------	-----------	------------------------------------

08:00:00 PM	-\$65,792	Tallulah Rawlings,Josie Dawe, Mylie Schmidt,Hakim Stott, Esther Callaghan, Ciaron Villanueva
-------------	-----------	--

11:00:00 PM	-\$88,229	Vlad Hatfield,Kerys Frazier,Mya Butler, Mylie Schmidt,Lex Oakley,Elin Wormald
-------------	-----------	---

05:00:00 AM	-\$82,844	Arjan Guzman,Sommer Mann, Mylie Schmidt
-------------	-----------	---

```

08:00:00 AM    -$97,001    Lilianna Devlin,Brendan Lester, Mylie Schmidt,Blade Robertson,Derrick
Schroeder
02:00:00 PM    -$182,419    Mylie Schmidt, Corey Huffman
kali@kali:~/Documents/Lucky_Duck_Investigations/Roulette_Loss_Investigation/Player_Analysis$
kali@kali:~/Documents/Lucky_Duck_Investigations/Roulette_Loss_Investigation/Player_Analysis$ nano
Notes_Player_Analysis.txt

```

```

kali@kali: ~/D...layer_Analysis
GNU nano 4.9.3 Roulette_Losses_All Modified
05:00:00 AM    -$82,348    Amirah Schneider,Nola Portillo, Mylie Schmidt,Suhayb Maguire,Millicent Betts,Avi >
08:00:00 AM    -$97,383    Chanelle Tapia, Shelley Dodson , Valentino Smith, Mylie Schmidt
02:00:00 PM    -$82,348    Jaden Clarkson, Kaidan Sheridan, Mylie Schmidt
08:00:00 PM    -$65,348    Mylie Schmidt, Trixie Velasquez, Jerome Klein ,Rahma Buckley
11:00:00 PM    -$88,383    Mcfadden Wasim, Norman Cooper, Mylie Schmidt
05:00:00 AM    -$182,300    Montana Kirk, Alysia Goodman, Halima Little, Etienne Brady, Mylie Schmidt
08:00:00 AM    -$97,383    Rimsha Gardiner,Fern Cleveland, Mylie Schmidt,Kobe Higgins
02:00:00 PM    -$82,348    Mae Hail, Mylie Schmidt,Ayden Beil
08:00:00 PM    -$65,792    Tallulah Rawlings,Josie Dawe, Mylie Schmidt,Hakim Stott, Esther Callaghan, Ciaron >
11:00:00 PM    -$88,229    Vlad Hatfield,Kerys Frazier,Mya Butler, Mylie Schmidt,Lex Oakley,Elin Wormald
05:00:00 AM    -$82,844    Arjan Guzman,Sommer Mann, Mylie Schmidt
08:00:00 AM    -$97,001    Lilianna Devlin,Brendan Lester, Mylie Schmidt,Blade Robertson,Derrick Schroeder
02:00:00 PM    -$182,419    Mylie Schmidt, Corey Huffman

```

```

kali@kali:~/Documents/Lucky_Duck_Investigations/Roulette_Loss_Investigation/Player_Analysis$ cat
Notes_Player_Analysis.txt
05:00:00 AM    -$82,348    Amirah Schneider,Nola Portillo, Mylie Schmidt,Suhayb Maguire,Millicent
Betts,Avi Graves
08:00:00 AM    -$97,383    Chanelle Tapia, Shelley Dodson , Valentino Smith, Mylie Schmidt
02:00:00 PM    -$82,348    Jaden Clarkson, Kaidan Sheridan, Mylie Schmidt
08:00:00 PM    -$65,348    Mylie Schmidt, Trixie Velasquez, Jerome Klein ,Rahma Buckley
11:00:00 PM    -$88,383    Mcfadden Wasim, Norman Cooper, Mylie Schmidt
05:00:00 AM    -$182,300    Montana Kirk, Alysia Goodman, Halima Little, Etienne Brady, Mylie
Schmidt
08:00:00 AM    -$97,383    Rimsha Gardiner,Fern Cleveland, Mylie Schmidt,Kobe Higgins
02:00:00 PM    -$82,348    Mae Hail, Mylie Schmidt,Ayden Beil
08:00:00 PM    -$65,792    Tallulah Rawlings,Josie Dawe, Mylie Schmidt,Hakim Stott, Esther
Callaghan, Ciaron Villanueva
11:00:00 PM    -$88,229    Vlad Hatfield,Kerys Frazier,Mya Butler, Mylie Schmidt,Lex Oakley,Elin
Wormald
05:00:00 AM    -$82,844    Arjan Guzman,Sommer Mann, Mylie Schmidt
08:00:00 AM    -$97,001    Lilianna Devlin,Brendan Lester, Mylie Schmidt,Blade Robertson,Derrick
Schroeder
02:00:00 PM    -$182,419    Mylie Schmidt, Corey Huffman
kali@kali:~/Documents/Lucky_Duck_Investigations/Roulette_Loss_Investigation/Player_Analysis$ grep
'Mylie Schmidt' Notes_Player_Analysis.txt | wc -l

```

13

```
kali@kali:~/Documents/Lucky_Duck_Investigations/Roulette_Loss_Investigation/Player_Analysis$
kali@kali:~/Documents/Lucky_Duck_Investigations/Roulette_Loss_Investigation/Dealer_Analysis$ cat
0310_Dealer_schedule | awk -F" " '{print $1, $2, $5,$6}' | grep '05:00:00 AM' >>
Dealers_working_during_losses.txt
kali@kali:~/Documents/Lucky_Duck_Investigations/Roulette_Loss_Investigation/Dealer_Analysis$ cat
0310_Dealer_schedule | awk -F" " '{print $1, $2, $5,$6}' | grep '08:00:00 AM' >>
Dealers_working_during_losses.txt
kali@kali:~/Documents/Lucky_Duck_Investigations/Roulette_Loss_Investigation/Dealer_Analysis$ cat
0310_Dealer_schedule | awk -F" " '{print $1, $2, $5,$6}' | grep '02:00:00 PM' >>
Dealers_working_during_losses.txt
kali@kali:~/Documents/Lucky_Duck_Investigations/Roulette_Loss_Investigation/Dealer_Analysis$ cat
0310_Dealer_schedule | awk -F" " '{print $1, $2, $5,$6}' | grep '08:00:00 PM' >>
Dealers_working_during_losses.txt
kali@kali:~/Documents/Lucky_Duck_Investigations/Roulette_Loss_Investigation/Dealer_Analysis$ cat
0310_Dealer_schedule | awk -F" " '{print $1, $2, $5,$6}' | grep '11:00:00 PM' >>
Dealers_working_during_losses.txt
kali@kali:~/Documents/Lucky_Duck_Investigations/Roulette_Loss_Investigation/Dealer_Analysis$ cat
0312_Dealer_schedule | awk -F" " '{print $1, $2, $5,$6}' | grep '08:00:00 AM' >>
Dealers_working_during_losses.txt
kali@kali:~/Documents/Lucky_Duck_Investigations/Roulette_Loss_Investigation/Dealer_Analysis$ cat
0312_Dealer_schedule | awk -F" " '{print $1, $2, $5,$6}' | grep '05:00:00 AM' >>
Dealers_working_during_losses.txt
kali@kali:~/Documents/Lucky_Duck_Investigations/Roulette_Loss_Investigation/Dealer_Analysis$ cat
0312_Dealer_schedule | awk -F" " '{print $1, $2, $5,$6}' | grep '02:00:00 PM' >>
Dealers_working_during_losses.txt
kali@kali:~/Documents/Lucky_Duck_Investigations/Roulette_Loss_Investigation/Dealer_Analysis$ cat
0312_Dealer_schedule | awk -F" " '{print $1, $2, $5,$6}' | grep '08:00:00 PM' >>
Dealers_working_during_losses.txt
kali@kali:~/Documents/Lucky_Duck_Investigations/Roulette_Loss_Investigation/Dealer_Analysis$ cat
0312_Dealer_schedule | awk -F" " '{print $1, $2, $5,$6}' | grep '11:00:00 PM' >>
Dealers_working_during_losses.txt
kali@kali:~/Documents/Lucky_Duck_Investigations/Roulette_Loss_Investigation/Dealer_Analysis$ cat
0315_Dealer_schedule | awk -F" " '{print $1, $2, $5,$6}' | grep '05:00:00 AM' >>
Dealers_working_during_losses.txt
kali@kali:~/Documents/Lucky_Duck_Investigations/Roulette_Loss_Investigation/Dealer_Analysis$ cat
0315_Dealer_schedule | awk -F" " '{print $1, $2, $5,$6}' | grep '08:00:00 AM' >>
Dealers_working_during_losses.txt
kali@kali:~/Documents/Lucky_Duck_Investigations/Roulette_Loss_Investigation/Dealer_Analysis$ cat
0315_Dealer_schedule | awk -F" " '{print $1, $2, $5,$6}' | grep '02:00:00 PM' >>
Dealers_working_during_losses.txt
kali@kali:~/Documents/Lucky_Duck_Investigations/Roulette_Loss_Investigation/Dealer_Analysis$ cat
Dealers_working_during_losses.txt
05:00:00 AM Billy Jones
08:00:00 AM Billy Jones
02:00:00 PM Billy Jones
08:00:00 PM Billy Jones
11:00:00 PM Billy Jones
08:00:00 AM Billy Jones
```

```
05:00:00 AM Billy Jones
02:00:00 PM Billy Jones
08:00:00 PM Billy Jones
11:00:00 PM Billy Jones
05:00:00 AM Billy Jones
08:00:00 AM Billy Jones
02:00:00 PM Billy Jones
kali@kali:~/Documents/Lucky_Duck_Investigations/Roulette_Loss_Investigation/Dealer_Analysis$ grep
"Billy Jones" Dealers_working_during_losses.txt | wc -l
13
kali@kali:~/Documents/Lucky_Duck_Investigations/Roulette_Loss_Investigation/Dealer_Analysis$ nano
Notes_Dealer_Analysis.txt

kali@kali:~/Documents/Lucky_Duck_Investigations/Roulette_Loss_Investigation$ cd
Player_Dealer_Correlation/
kali@kali:~/Documents/Lucky_Duck_Investigations/Roulette_Loss_Investigation/Player_Dealer_Correlati
on$ ls
Notes_Player_Dealer_Correlation.txt
kali@kali:~/Documents/Lucky_Duck_Investigations/Roulette_Loss_Investigation/Player_Dealer_Correlati
on$ nano Notes_Player_Dealer_Correlation.txt

kali@kali:~/Documents/Lucky_Duck_Investigations/Roulette_Loss_Investigation/Player_Dealer_Correlati
on$ cat Notes_Player_Dealer_Correlation.txt
```

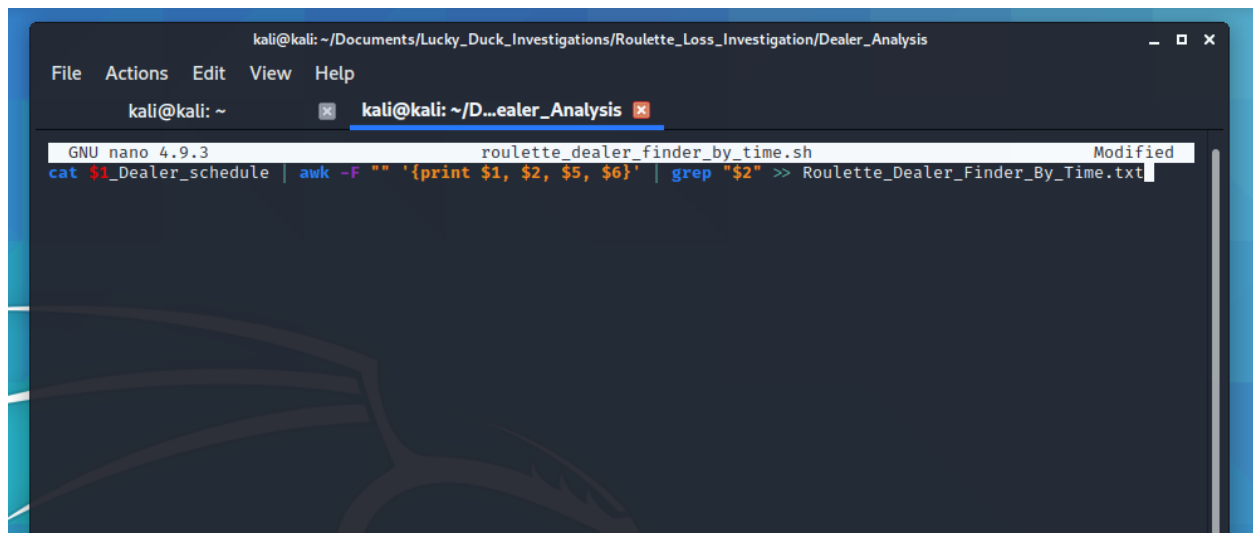
**There is a dealer name Billy Jones and a player name Mylie Schmidt , they always play together during the time the roulette table is loose.
They played together 13 times and that is very suspicious.**

Step 4: Scripting your Task

```
kali@kali:~/Documents/Lucky_Duck_Investigations/Roulette_Loss_Investigation/Dealer_Analysis$ touch  
roulette_dealer_finder_by_time.sh
```

```
kali@kali:~/Documents/Lucky_Duck_Investigations/Roulette_Loss_Investigation/Dealer_Analysis$ nano  
roulette_dealer_finder_by_time.sh
```

```
GNU nano 4.9.3 roulette_dealer_finder_by_time.sh  
cat $1_Dealer_schedule | awk -F "" '{print $1, $2, $5, $6}' | grep "$2" >>  
Roulette_Dealer_Finder_By_Time.txt
```



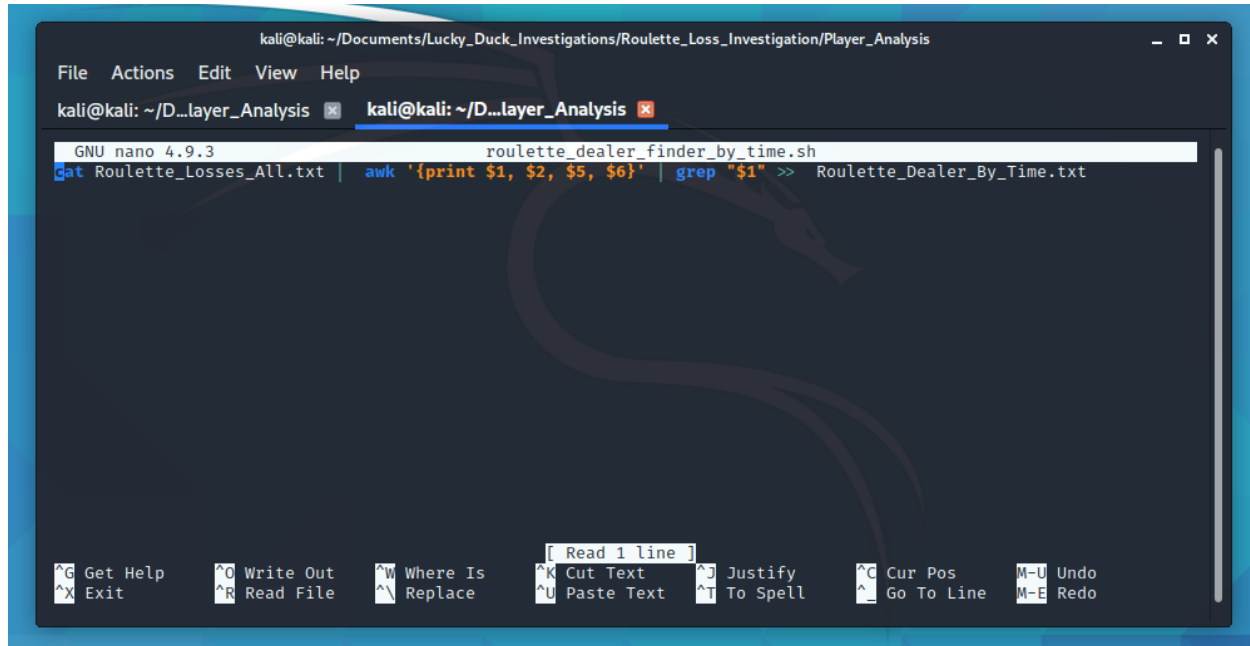
Extra

New script: `cat Roulette_Losses_All.txt | awk '{print $1, $2, $5, $6}' | grep "$1" >> Roulette_Dealer_By_Time.txt`

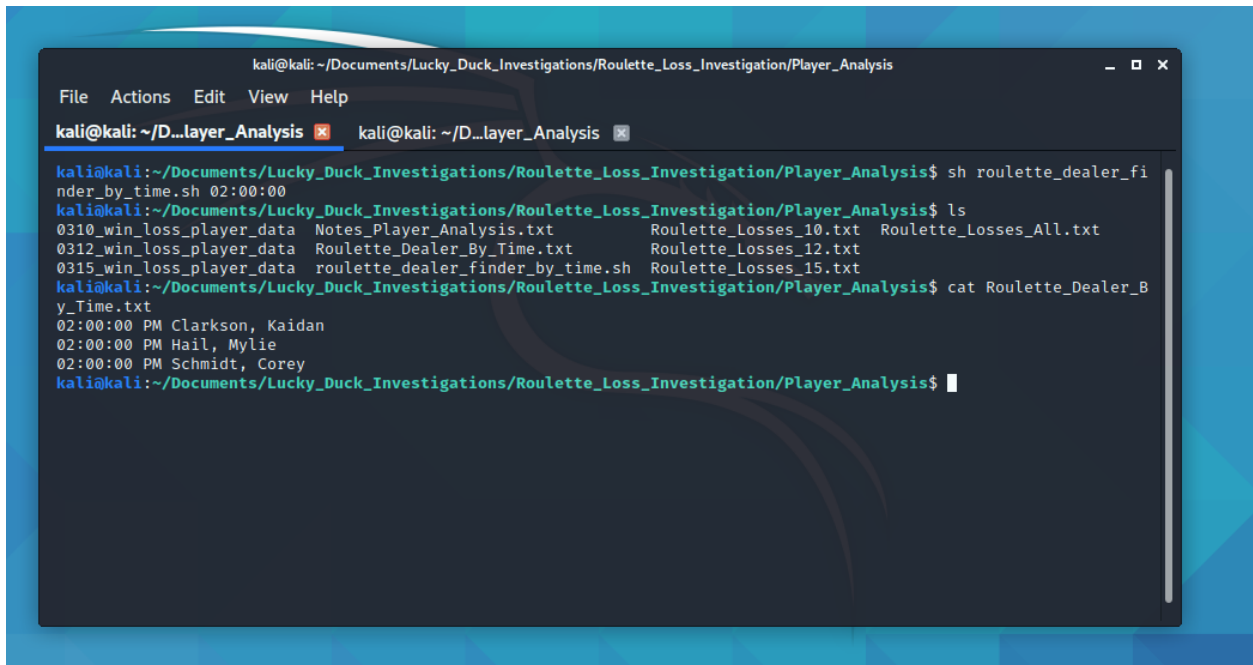
Reading from the Roulette_losses all text file which has all loss data in it and using grep by time to find specific time that we looking for

```
kali@kali:~/Documents/Lucky_Duck_Investigations/Roulette_Loss_Investigation/Player_Analysis$ cat Roulette_Losses_All.txt
05:00:00 AM      -$82,348      Amirah Schneider,Nola Portillo, Mylie Schmidt,Suhayb Maguire,Millicent Betts,Avi Graves
08:00:00 AM      -$97,383      Chanelle Tapia, Shelley Dodson , Valentino Smith, Mylie Schmidt
02:00:00 PM      -$82,348      Jaden Clarkson, Kaidan Sheridan, Mylie Schmidt
08:00:00 PM      -$65,348      Mylie Schmidt, Trixie Velasquez, Jerome Klein ,Rahma Buckley
11:00:00 PM      -$88,383      Mcfadden Wasim, Norman Cooper, Mylie Schmidt
05:00:00 AM      -$182,300     Montana Kirk, Alysia Goodman, Halima Little, Etienne Brady, Mylie Schmidt
08:00:00 AM      -$97,383      Rimsha Gardiner,Fern Cleveland, Mylie Schmidt,Kobe Higgins
02:00:00 PM      -$82,348      Mae Hail, Mylie Schmidt,Ayden Beil
08:00:00 PM      -$65,792      Tallulah Rawlings,Josie Dawe, Mylie Schmidt,Hakim Stott, Esther Callaghan, Ciaron Villanueva
11:00:00 PM      -$88,229      Vlad Hatfield,Kerys Frazier,Mya Butler, Mylie Schmidt,Lex Oakley,Elin Wormald
05:00:00 AM      -$82,844      Arjan Guzman,Sommer Mann, Mylie Schmidt
08:00:00 AM      -$97,001      Lilianna Devlin,Brendan Lester, Mylie Schmidt,Blade Robertson,Derrick Schroeder
02:00:00 PM      -$182,419     Mylie Schmidt, Corey Huffman
kali@kali:~/Documents/Lucky_Duck_Investigations/Roulette_Loss_Investigation/Player_Analysis$
```

Additional files in Homework/New_Script folder



The screenshot shows a terminal window with a nano editor open. The terminal title is `kali@kali: ~/Documents/Lucky_Duck_Investigations/Roulette_Loss_Investigation/Player_Analysis`. The nano editor has two tabs: `kali@kali: ~/D...layer_Analysis` (active) and `kali@kali: ~/D...layer_Analysis`. The editor is editing a file named `roulette_dealer_finder_by_time.sh`. The content of the file is: `cat Roulette_Losses_All.txt | awk '{print $1, $2, $5, $6}' | grep "$1" >> Roulette_Dealer_By_Time.txt`. The nano editor interface includes a menu bar with `File Actions Edit View Help` and a status bar at the bottom with various shortcuts like `^G Get Help`, `^O Write Out`, `^W Where Is`, `^R Read File`, `^M Replace`, `^C Cut Text`, `^J Justify`, `^U Paste Text`, `^T To Spell`, `^C Cur Pos`, `^G Go To Line`, `^M-U Undo`, and `^M-E Redo`. The status bar also shows `[Read 1 line]`.



```
kali@kali: ~/Documents/Lucky_Duck_Investigations/Roulette_Loss_Investigation/Player_Analysis
File Actions Edit View Help
kali@kali: ~/D...layer_Analysis x kali@kali: ~/D...layer_Analysis x
kali@kali:~/Documents/Lucky_Duck_Investigations/Roulette_Loss_Investigation/Player_Analysis$ sh roulette_dealer_fi
nder_by_time.sh 02:00:00
kali@kali:~/Documents/Lucky_Duck_Investigations/Roulette_Loss_Investigation/Player_Analysis$ ls
0310_win_loss_player_data  Notes_Player_Analysis.txt          Roulette_Losses_10.txt  Roulette_Losses_All.txt
0312_win_loss_player_data  Roulette_Dealer_By_Time.txt          Roulette_Losses_12.txt
0315_win_loss_player_data  roulette_dealer_finder_by_time.sh    Roulette_Losses_15.txt
kali@kali:~/Documents/Lucky_Duck_Investigations/Roulette_Loss_Investigation/Player_Analysis$ cat Roulette_Dealer_B
y_Time.txt
02:00:00 PM Clarkson, Kaidan
02:00:00 PM Hail, Mylie
02:00:00 PM Schmidt, Corey
kali@kali:~/Documents/Lucky_Duck_Investigations/Roulette_Loss_Investigation/Player_Analysis$
```

Submission Guidelines

```
kali@kali:~/Documents/Lucky_Duck_Investigations/Roulette_Loss_Investigation$ ls
Dealer_Analysis Player_Analysis Player_Dealer_Correlation
kali@kali:~/Documents/Lucky_Duck_Investigations/Roulette_Loss_Investigation$ cd
Player_Analysis/
kali@kali:~/Documents/Lucky_Duck_Investigations/Roulette_Loss_Investigation/Player_Analysi
s$ ls
0310_win_loss_player_data  Notes_Player_Analysis.txt          Roulette_Losses_10.txt
Roulette_Losses_All.txt
0312_win_loss_player_data  Roulette_Dealer_By_Time.txt        Roulette_Losses_12.txt
0315_win_loss_player_data  roulette_dealer_finder_by_time.sh  Roulette_Losses_15.txt
kali@kali:~/Documents/Lucky_Duck_Investigations/Roulette_Loss_Investigation/Player_Analysi
s$ ls -l
total 40
-rw-r--r-- 1 kali kali 2319 Nov  9 01:55 0310_win_loss_player_data
-rw-r--r-- 1 kali kali 2379 Nov  9 01:55 0312_win_loss_player_data
-rw-r--r-- 1 kali kali 2310 Nov  9 01:55 0315_win_loss_player_data
-rw-r--r-- 1 kali kali 1212 Nov  9 02:20 Notes_Player_Analysis.txt
-rw-r--r-- 1 kali kali  80 Nov 17 12:45 Roulette_Dealer_By_Time.txt
-rw-r--r-- 1 kali kali 104 Nov 17 12:44 roulette_dealer_finder_by_time.sh
-rw-r--r-- 1 kali kali 418 Nov  9 02:14 Roulette_Losses_10.txt
```

```

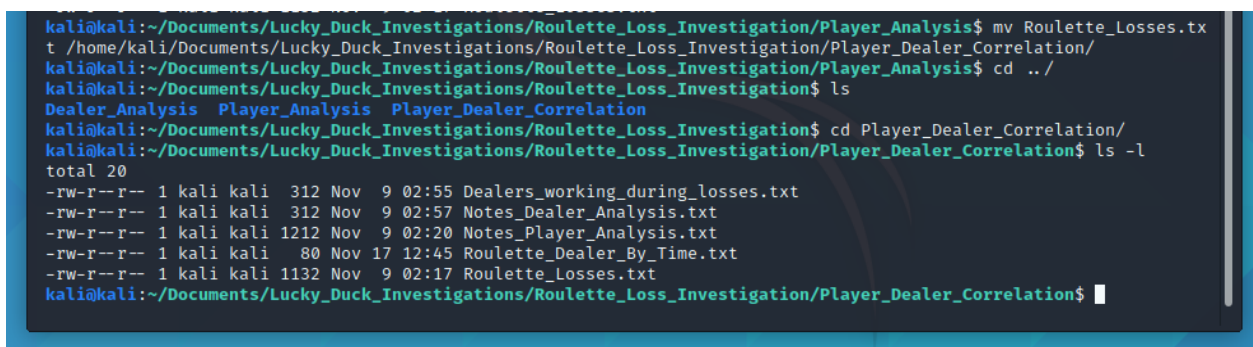
-rw-r--r-- 1 kali kali 478 Nov 9 02:15 Roulette_Losses_12.txt
-rw-r--r-- 1 kali kali 236 Nov 9 02:15 Roulette_Losses_15.txt
-rw-r--r-- 1 kali kali 1132 Nov 9 02:17 Roulette_Losses_All.txt
kali@kali:~/Documents/Lucky_Duck_Investigations/Roulette_Loss_Investigation/Player_Analysis$ mv Notes_Player_Analysis.txt
/home/kali/Documents/Lucky_Duck_Investigations/Roulette_Loss_Investigation/Player_Dealer_Correlation/
kali@kali:~/Documents/Lucky_Duck_Investigations/Roulette_Loss_Investigation/Player_Analysis$ cd ../
kali@kali:~/Documents/Lucky_Duck_Investigations/Roulette_Loss_Investigation$ ls
Dealer_Analysis Player_Analysis Player_Dealer_Correlation
kali@kali:~/Documents/Lucky_Duck_Investigations/Roulette_Loss_Investigation$ cd
Dealer_Analysis/
kali@kali:~/Documents/Lucky_Duck_Investigations/Roulette_Loss_Investigation/Dealer_Analysis$ ls -l
total 20
-rw-r--r-- 1 kali kali 1489 Nov 9 01:55 0310_Dealer_schedule
-rw-r--r-- 1 kali kali 1489 Nov 9 01:55 0312_Dealer_schedule
-rw-r--r-- 1 kali kali 1489 Nov 9 01:55 0315_Dealer_schedule
-rw-r--r-- 1 kali kali 312 Nov 9 02:55 Dealers_working_during_losses.txt
-rw-r--r-- 1 kali kali 312 Nov 9 02:57 Notes_Dealer_Analysis.txt
kali@kali:~/Documents/Lucky_Duck_Investigations/Roulette_Loss_Investigation/Dealer_Analysis$ mv Notes_Dealer_Analysis.txt
/home/kali/Documents/Lucky_Duck_Investigations/Roulette_Loss_Investigation/Player_Dealer_Correlation/
kali@kali:~/Documents/Lucky_Duck_Investigations/Roulette_Loss_Investigation/Dealer_Analysis$ cd ../
kali@kali:~/Documents/Lucky_Duck_Investigations/Roulette_Loss_Investigation$ cd
Dealer_Analysis/
kali@kali:~/Documents/Lucky_Duck_Investigations/Roulette_Loss_Investigation/Dealer_Analysis$ ls
0310_Dealer_schedule 0312_Dealer_schedule 0315_Dealer_schedule
Dealers_working_during_losses.txt
kali@kali:~/Documents/Lucky_Duck_Investigations/Roulette_Loss_Investigation/Dealer_Analysis$ mv Dealers_working_during_losses.txt
/home/kali/Documents/Lucky_Duck_Investigations/Roulette_Loss_Investigation/Player_Dealer_Correlation/
kali@kali:~/Documents/Lucky_Duck_Investigations/Roulette_Loss_Investigation/Dealer_Analysis$ cd ../
kali@kali:~/Documents/Lucky_Duck_Investigations/Roulette_Loss_Investigation$ cd
Player_Analysis/
kali@kali:~/Documents/Lucky_Duck_Investigations/Roulette_Loss_Investigation/Player_Analysis$ ls -l
total 36

```

```

-rw-r--r-- 1 kali kali 2319 Nov  9 01:55 0310_win_loss_player_data
-rw-r--r-- 1 kali kali 2379 Nov  9 01:55 0312_win_loss_player_data
-rw-r--r-- 1 kali kali 2310 Nov  9 01:55 0315_win_loss_player_data
-rw-r--r-- 1 kali kali  80 Nov 17 12:45 Roulette_Dealer_By_Time.txt
-rw-r--r-- 1 kali kali 104 Nov 17 12:44 roulette_dealer_finder_by_time.sh
-rw-r--r-- 1 kali kali 418 Nov  9 02:14 Roulette_Losses_10.txt
-rw-r--r-- 1 kali kali 478 Nov  9 02:15 Roulette_Losses_12.txt
-rw-r--r-- 1 kali kali 236 Nov  9 02:15 Roulette_Losses_15.txt
-rw-r--r-- 1 kali kali 1132 Nov  9 02:17 Roulette_Losses.txt
kali@kali:~/Documents/Lucky_Duck_Investigations/Roulette_Loss_Investigation/Player_Analysis$ mv Roulette_Losses.txt
/home/kali/Documents/Lucky_Duck_Investigations/Roulette_Loss_Investigation/Player_Dealer_Correlation/kali@kali:~/Documents/Lucky_Duck_Investigations/Roulette_Loss_Investigation/Player_Analysis$ cd ../
kali@kali:~/Documents/Lucky_Duck_Investigations/Roulette_Loss_Investigation$ ls
Dealer_Analysis Player_Analysis Player_Dealer_Correlation
kali@kali:~/Documents/Lucky_Duck_Investigations/Roulette_Loss_Investigation$ cd
Player_Dealer_Correlation/
kali@kali:~/Documents/Lucky_Duck_Investigations/Roulette_Loss_Investigation/Player_Dealer_Correlation$ ls -l
total 20
-rw-r--r-- 1 kali kali 312 Nov  9 02:55 Dealers_working_during_losses.txt
-rw-r--r-- 1 kali kali 312 Nov  9 02:57 Notes_Dealer_Analysis.txt
-rw-r--r-- 1 kali kali 1212 Nov  9 02:20 Notes_Player_Analysis.txt
-rw-r--r-- 1 kali kali  80 Nov 17 12:45 Roulette_Dealer_By_Time.txt
-rw-r--r-- 1 kali kali 1132 Nov  9 02:17 Roulette_Losses.txt
kali@kali:~/Documents/Lucky_Duck_Investigations/Roulette_Loss_Investigation/Player_Dealer_Correlation$

```



```

kali@kali:~/Documents/Lucky_Duck_Investigations/Roulette_Loss_Investigation/Player_Analysis$ mv Roulette_Losses.txt
t /home/kali/Documents/Lucky_Duck_Investigations/Roulette_Loss_Investigation/Player_Dealer_Correlation/
kali@kali:~/Documents/Lucky_Duck_Investigations/Roulette_Loss_Investigation/Player_Analysis$ cd ../
kali@kali:~/Documents/Lucky_Duck_Investigations/Roulette_Loss_Investigation$ ls
Dealer_Analysis Player_Analysis Player_Dealer_Correlation
kali@kali:~/Documents/Lucky_Duck_Investigations/Roulette_Loss_Investigation$ cd Player_Dealer_Correlation/
kali@kali:~/Documents/Lucky_Duck_Investigations/Roulette_Loss_Investigation/Player_Dealer_Correlation$ ls -l
total 20
-rw-r--r-- 1 kali kali 312 Nov  9 02:55 Dealers_working_during_losses.txt
-rw-r--r-- 1 kali kali 312 Nov  9 02:57 Notes_Dealer_Analysis.txt
-rw-r--r-- 1 kali kali 1212 Nov  9 02:20 Notes_Player_Analysis.txt
-rw-r--r-- 1 kali kali  80 Nov 17 12:45 Roulette_Dealer_By_Time.txt
-rw-r--r-- 1 kali kali 1132 Nov  9 02:17 Roulette_Losses.txt
kali@kali:~/Documents/Lucky_Duck_Investigations/Roulette_Loss_Investigation/Player_Dealer_Correlation$

```