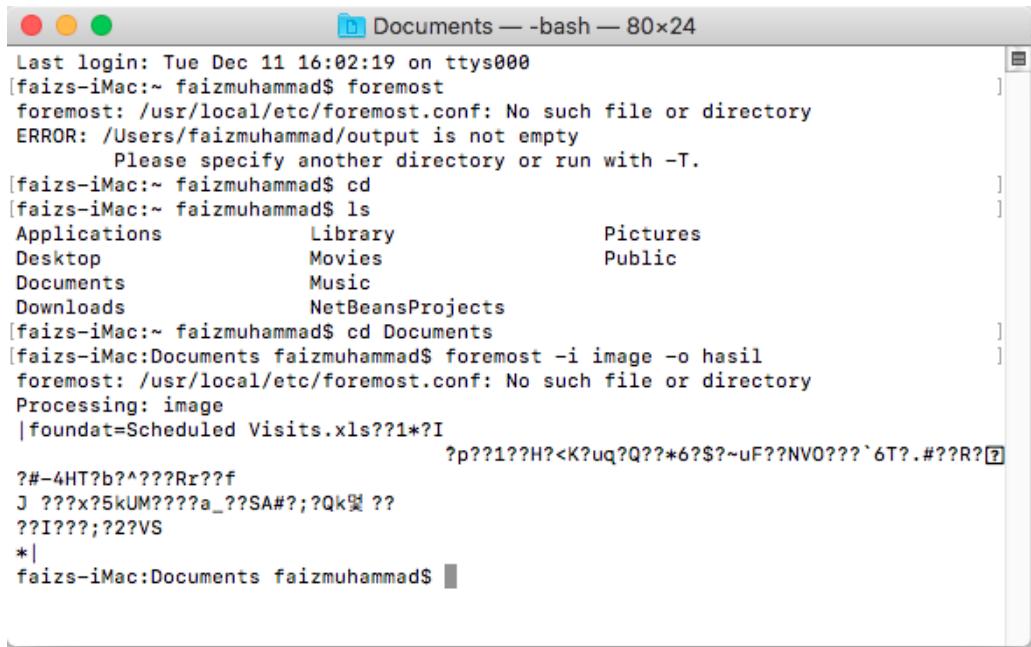


1. Kasus joe Jacob

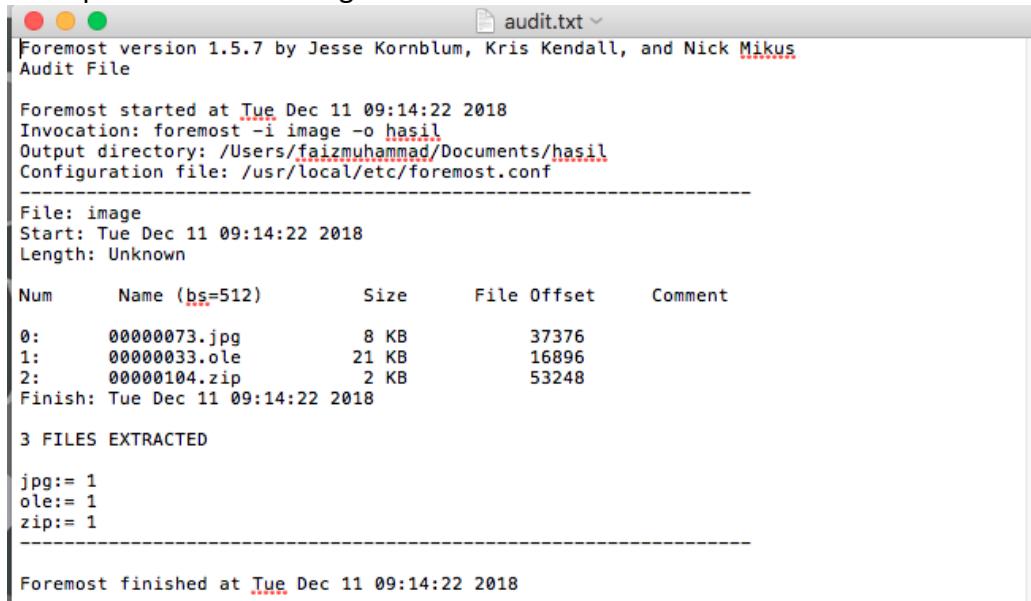
Alat yg digunakan : foremost, iHex, Autopsy
OS : MacOs High Sierra

- Gunakan foremost untuk melihat data2 dalam file image, output disimpan dalam folder "hasil"



```
Last login: Tue Dec 11 16:02:19 on ttys000
[faizs-iMac:~ faizmuhammad$ foremost
foremost: /usr/local/etc/foremost.conf: No such file or directory
ERROR: /Users/faizmuhammad/output is not empty
Please specify another directory or run with -T.
[faizs-iMac:~ faizmuhammad$ cd
[faizs-iMac:~ faizmuhammad$ ls
Applications Library Pictures
Desktop Movies Public
Documents Music
Downloads NetBeansProjects
[faizs-iMac:~ faizmuhammad$ cd Documents
[faizs-iMac:Documents faizmuhammad$ foremost -i image -o hasil
foremost: /usr/local/etc/foremost.conf: No such file or directory
Processing: image
| foundat=Scheduled Visits.xls??1*?I
| ?p??1??H?<K?uq?Q??*6?$?~uF??NV0???`6T?.#??R??
| ?#-4HT?b?^??Rr??f
| J ???x?5kUM????a_??SA#?;?Qk? ???
| ??I???;??VS
*|
faizs-iMac:Documents faizmuhammad$
```

- Terdapat 3 file dalam image



```
audit.txt
Foremost version 1.5.7 by Jesse Kornblum, Kris Kendall, and Nick Mikus
Audit File

Foremost started at Tue Dec 11 09:14:22 2018
Invocation: foremost -i image -o hasil
Output directory: /Users/faizmuhammad/Documents/hasil
Configuration file: /usr/local/etc/foremost.conf

File: image
Start: Tue Dec 11 09:14:22 2018
Length: Unknown

Num      Name (bs=512)      Size      File Offset      Comment
0:      00000073.jpg        8 KB      37376
1:      00000033.ole        21 KB     16896
2:      00000104.zip        2 KB      53248
Finish: Tue Dec 11 09:14:22 2018

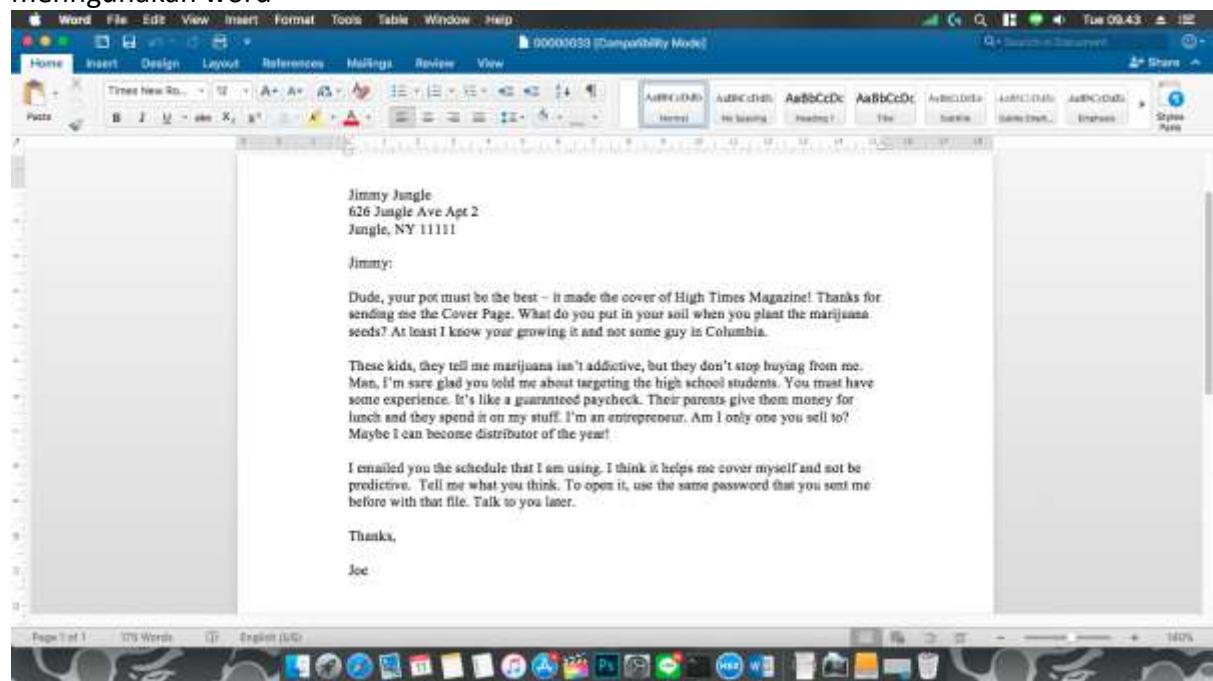
3 FILES EXTRACTED

jpg:= 1
ole:= 1
zip:= 1

Foremost finished at Tue Dec 11 09:14:22 2018
```

- Karena file .ole tidak dapat dibuka, maka dilihat dlu
File signaturenya menggunakan iHex.

- File tersebut memiliki header untuk file office, maka dicoba untuk dibuka menggunakan word



- Terdapat pesan dari supplier joe, termasuk nama dan alamatnya.
- Selanjutnya pada cover page.jpg ketika dibuka dengan ihex terdapat "pw=goodtimes" yg kemungkinan adalah password yg disebutkan pada surat diatas.

- Selanjutnya file scheduled visit, ketika dicek signaturenya dengan ihex ternyata merupakan file zip.
- Ketika mencoba membuka file zip tsb, terdapat password, kemudian dicoba menggunakan password “goodtimes”
- Setelah dibuka, didalam file zip tsb diketahui sekolah2 lain tempat joe berjualan marijuanna

	Month	DAY	HIGH SCHOOLS
1			
2		2002	
3	April	Monday (1)	Smith Hill High School (A)
4		Tuesday (2)	Key High School (B)
5		Wednesday (3)	Leetch High School (C)
6		Thursday (4)	Birard High School (D)
7		Friday (5)	Richter High School (E)
8		Monday (1)	Hull High School (F)
9		Tuesday (2)	Smith Hill High School (A)
10		Wednesday (3)	Key High School (B)
11		Thursday (4)	Leetch High School (C)
12		Friday (5)	Birard High School (D)
13		Monday (1)	Richter High School (E)
14		Tuesday (2)	Hull High School (F)
15		Wednesday (3)	Smith Hill High School (A)
16		Thursday (4)	Key High School (B)
17		Friday (5)	Leetch High School (C)
18		Monday (1)	Birard High School (D)
19		Tuesday (2)	Richter High School (E)
20		Wednesday (3)	Hull High School (F)
21		Thursday (4)	Smith Hill High School (A)
22		Friday (5)	Key High School (B)
23		Monday (1)	Leetch High School (C)
24		Tuesday (2)	Birard High School (D)
25	May		
26		Wednesday (3)	Richter High School (E)
27		Thursday (4)	Hull High School (F)
28		Friday (5)	Smith Hill High School (A)
29		Monday (1)	Key High School (B)
30		Tuesday (2)	Leetch High School (C)
31		Wednesday (3)	Birard High School (D)
32		Thursday (4)	Richter High School (E)
33		Friday (5)	Hull High School (F)
34		Monday (1)	Smith Hill High School (A)

◀ ▶ Sheet1 Sheet2 Sheet3 +

soal:

1. Who is Joe Jacob's supplier of marijuana and what is the address listed for the supplier?

Jimmy jungle,

626 Jungle Ave Apt 2 Jungle, NY 11111

2. What crucial data is available within the coverpage.jpg file and why is this data crucial?

Password : goodtimes, karena pass itu merupakan password untuk file zip yg berisi jadwal tempat berjualan joe

3. What (if any) other high schools besides Smith Hill does Joe Jacobs frequent?

Leetch High School, Birard High School, Richter High School, Key High School, dan Hull High School

4. For each file, what processes were taken by the suspect to mask them from others?

Jimmyjungle.doc -> dihapus

Cover page.jpgc -> sebenarnya merupakan file jpg

Scheduled visits.exe -> sebenarnya merupakan file zip yg dipassword yang didalamnya terdapat file xls.

5. What processes did you (the investigator) use to successfully examine the entire contents of each file?

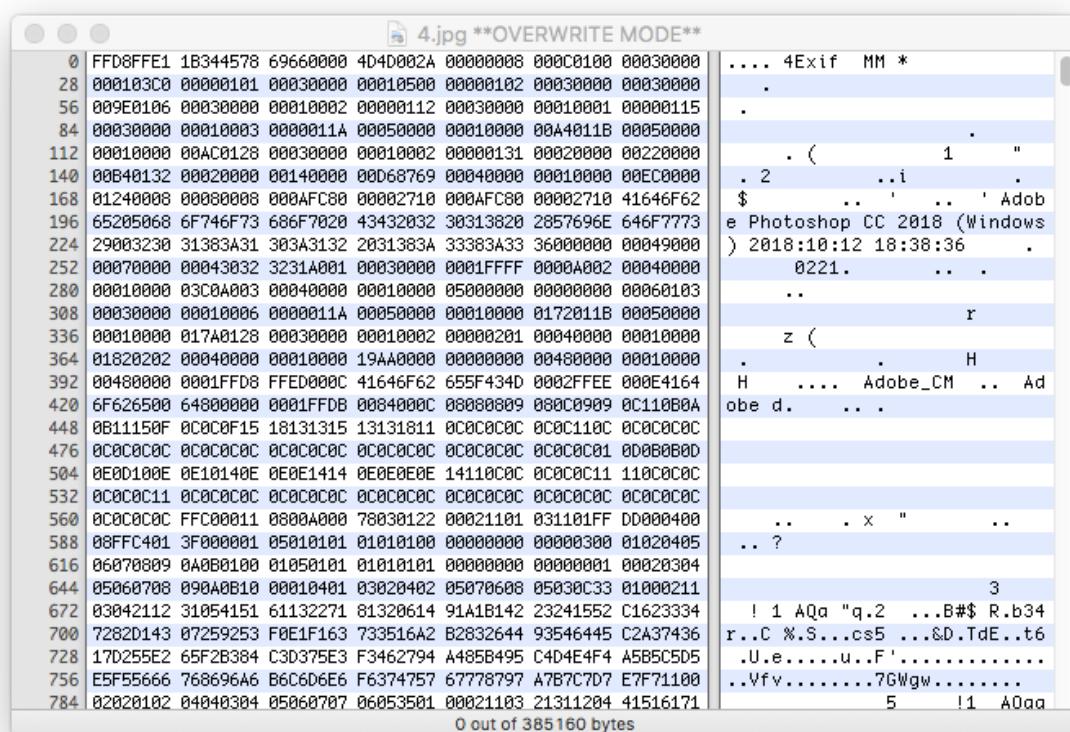
Dijelaskan diatas

2. Soal analisis foto

Alat yang digunakan : iHex

Operating system : MacOS High Sierra

Kedua file dibuka menggunakan iHex, terlihat bahwa file foto 4.jpg merupakan hasil editan dengan photoshop CC 2018 dengan operating system windows



Sedangkan foto 3.jpg merupakan foto asli yang diambil menggunakan iPhone 8 plus

3.JPG **OVERWRITE MODE**							
	Exif	MM	*				
0	FFD8FFE1	2EC0D4578	69660000	4D4D002A	00000008	000B010F	.
24	00020000	00060000	00920110	00020000	000E0000	00980112	.
48	00030000	00010006	0000011A	00050000	00010000	00A6011B	.
72	00050000	00010000	00AE0128	00030000	00010002	00000131	. (1
96	00020000	00050000	00860132	00020000	00140000	00BC0213	. 2 .
120	00030000	00010001	00008769	00040000	00010000	00008825	.i ..%.
144	00040000	00010000	073E0000	08744170	706C6500	6950686F	> tApple iPho
168	6E652038	20506C75	73000000	00480000	00010000	00480000	ne 8 Plus H H
192	00013132	2E300000	32303138	3A31303A	31312032	313A3530	12.0 2018:10:11 21:50
216	3A303800	0028829A	00050000	00010000	0256829D	00050000	:08 .. V..
240	00010000	025E8822	00030000	00010002	00008827	00030000	^." '
264	00010064	00009000	00070000	00043032	32319003	00020000	d . 0221.
288	00140000	02669004	00020000	00140000	027A9101	00070000	f. z.
312	00040102	03009201	000A0000	00010000	028E9202	00050000	.
336	00010000	02969203	000A0000	00010000	029E9204	000A0000
360	00010000	02A69207	00030000	00010005	00009209	00030000	.
384	00010010	00000920A	00050000	00010000	02AE9214	00030000	.
408	00040000	02B6927C	00070000	042E0000	02BE9291	00020000
432	00043238	350009292	00020000	00043238	3500A000	00070000	285 .. 285 .
456	00043031	3030A001	00030000	0001FFFF	0000A002	00040000	0100. .. .
480	00010000	0FC0A003	00040000	00010000	0BD0A217	00030000
504	00010002	0000A301	00070000	00010100	0000A402	00030000	.
528	00010000	0000A403	00030000	00010000	0000A405	00030000	.
552	0001001C	0000A406	00030000	00010000	0000A432	00050000	.
576	00040000	06ECA433	00020000	00060000	070CA434	00020000	.2 ..3 ..4
600	002C0000	07120000	00000000	00010000	00040000	00090000	,
624	00053230	31383A31	303A3131	2032313A	35303A30	38003230	2018:10:11 21:50:08 20
648	31383A31	303A3131	2032313A	35303A30	38000000	E1A10000	18:10:11 21:50:08 ..
672	70000000	D6270000	7E45FFFFE	19D90002	55310000	00000000	p. ~E... U1