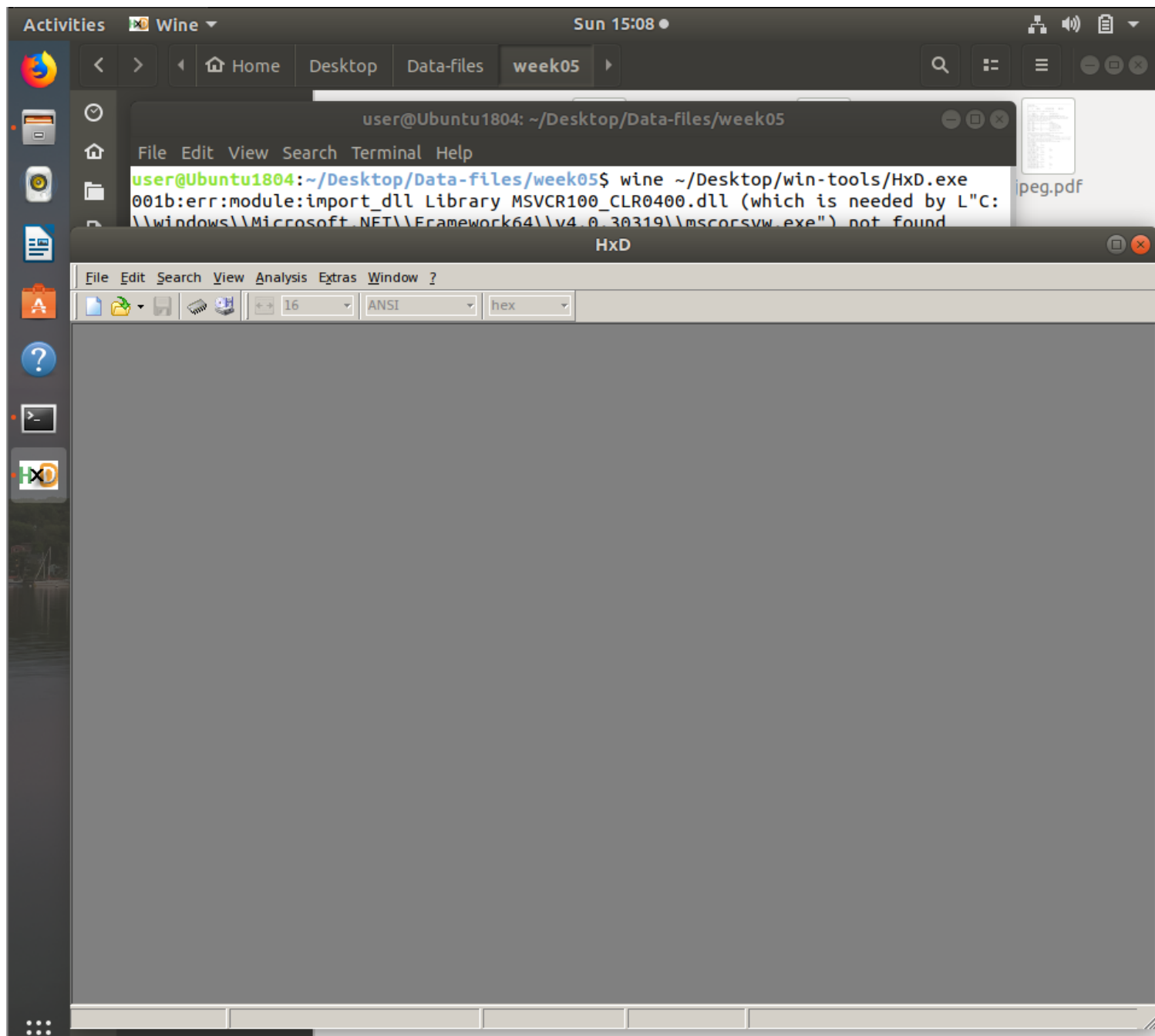
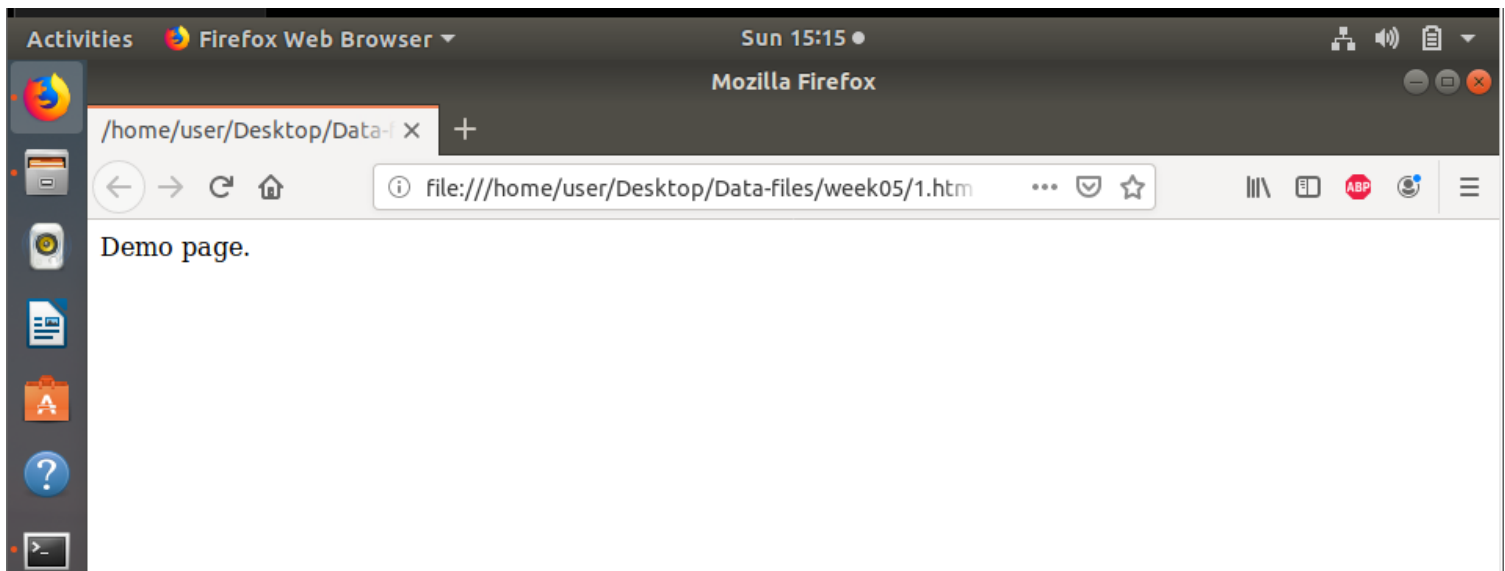
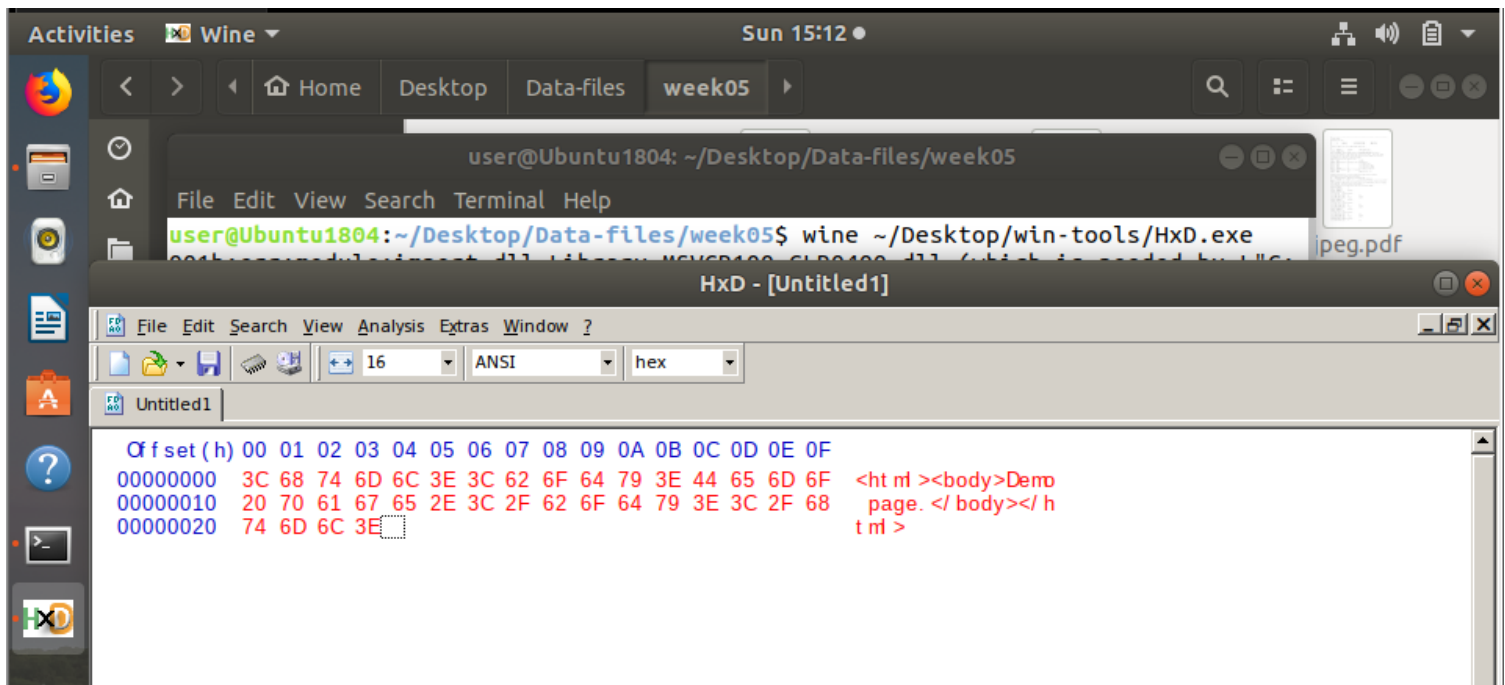


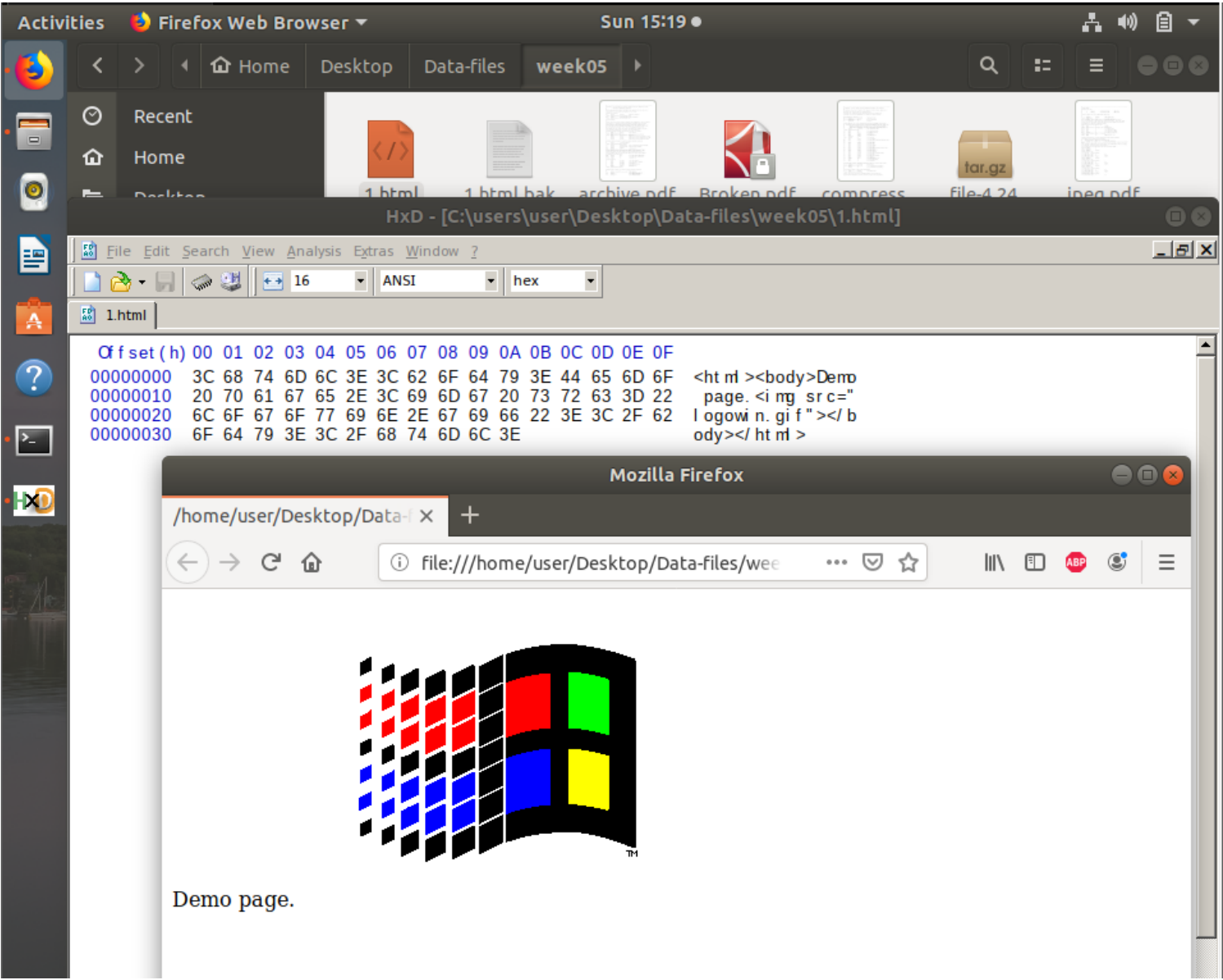
Manipulating Data by Using HxD

Using the Ubuntu environment's "wine" emulator, I first launched the HxD Hex Editor. I worked on fundamental hex editor functions like creating, inserting, overwriting, copying, and pasting data. I entered an example HTML string into a new document and saved it as "1.html" in order to better understand the differences between the hex editing panel and the string editing panel.





I then discovered how to incorporate a picture into an HTML document. At first, I used the HTML code itself to directly reference the image file "logowin.gif". Next, I experimented with a more sophisticated technique that involved directly integrating the image's binary content into the HTML file. I copied the whole contents of "logowin.gif" and pasted it into "1.html" after opening the file in HxD. This exercise demonstrated how raw binary data can be incorporated into different file formats.



Activities Wine Sun 15:23

Home Desktop Data-files week05

Recent Home Desktop

1.html 1.html bak archive.pdf Broken.pdf compress file-4.24 ineq.pdf

HxD - [C:\users\user\Desktop\Data-files\week05\1.html]

File Edit Search View Analysis Extras Window ?

16 ANSI hex

1.html Untitled3 logowin.gif

Offset (h)	00	01	02	03	04	05	06	07	08	09	0A	0B	0C	0D	0E	0F
00000000	3C	68	74	6D	6C	3E	3C	62	6F	64	79	3E	44	65	6D	6F
00000010	20	70	61	67	65	2E	3C	69	6D	67	20	73	72	63	3D	22
00000020	47	49	46	38	37	61	40	01	F0	00	B3	00	00	00	00	00
00000030	80	00	00	00	80	00	80	00	00	00	80	80	00	80	00	00
00000040	80	80	C0	C0	C0	80	80	FF	00	00	FF	00	FF	00	FF	FF
00000050	00	00	00	FF	FF	00	FF	00	FF	FF	FF	FF	2C	00	00	00
00000060	00	00	40	01	F0	00	40	04	FF	F0	C9	49	AB	BD	38	EB
00000070	CD	BB	FF	60	28	8E	64	69	9E	68	AA	AE	6C	EB	BE	70
00000080	2C	CF	74	6D	DF	78	AE	EF	7C	EF	FF	C0	A0	70	48	2C
00000090	1A	8F	C8	A4	72	29	01	38	9F	D0	A8	74	4A	AD	5A	AF
000000A0	55	A6	B6	32	DD	BA	AE	4D	AC	78	4C	2E	9B	C7	DE	5C
000000B0	37	63	ED	48	41	51	8D	78	72	06	84	EB	F8	BC	FE	9C
000000C0	4E	42	37	68	14	65	5C	66	74	7C	0F	4E	09	8A	8B	8C
000000D0	8D	8E	8F	8D	63	0A	93	94	95	96	97	98	95	79	7D	37
000000E0	90	09	1E	8C	84	7F	1C	81	A2	6B	13	8B	86	86	58	12
000000F0	9E	AE	AF	91	62	99	B3	B4	96	9B	9C	35	9F	1F	AE	17
00000100	B0	19	BE	14	B0	8E	AB	83	0F	C2	C7	90	92	B5	CB	99
00000110	B7	B8	39	A9	26	C7	15	C8	BA	A8	D5	D6	AC	77	76	C6
00000120	D8	D8	CA	CC	E1	94	CE	CF	31	9E	18	BC	20	8A	D4	8F
00000130	BD	EC	EB	C1	90	C4	64	AD	DE	D5	E0	E2	E1	E4	E5	40
00000140	F2	16	D3	F1	00	5E	AB	36	2F	D0	AB	3D	08	CB	60	DA
00000150	C7	AF	45	16	69	E7	D0	21	78	F7	EA	C2	9B	6D	17	13
00000160	6A	DC	88	B0	61	8C	38	80	FF	1E	86	1C	75	CD	E2	45
00000170	93	DA	10	1D	C2	C2	A0	A5	CB	97	30	63	B6	1C	B3	A0
00000180	A6	CD	9B	38	73	DE	E4	E8	31	88	13	37	73	04	D1	13
00000190	5A	4C	A5	48	90	32	93	2A	5D	CA	80	A6	CE	A7	50	75
000001A0	32	EC	99	42	29	87	98	A6	3E	A4	B4	40	A5	02	CC	82
000001B0	41	99	8A	15	EB	34	AA	59	A8	53	A9	E2	58	EA	75	2C
000001C0	06	B7	14	C6	7E	C5	18	48	AE	DD	98	65	CF	EA	DD	89
000001D0	47	6D	8C	B9	25	E4	B6	15	1C	F7	2E	83	79	60	47	19
000001E0	5E	9C	77	EF	DE	B4	7E	47	B0	BD	30	B9	C3	CB	C1	2E
000001F0	29	B7	6C	8B	59	66	62	30	0F	16	1B	CE	E3	38	2A	E4
00000200	C8	33	B0	BE	85	3B	E1	6E	67	D6	A5	10	D1	E5	48	BB
00000210	B6	48	DA	27	6E	03	F2	D6	DA	B3	06	D7	85	2B	63	28

Offset: C92 Insert

Activities Firefox Web Browser Sun 15:24

Recent Home Desktop Data-files week05

HxD - [C:\users\user\Desktop\Data-files\week05\1.html]

File Edit Search View Analysis Extras Window

16 ANSI hex

1.html Untitled3 logowin.gif

Offset (h) 00 01 02 03 04 05 06 07 08 09 0A 0B 0C 0D 0E 0F

00000000 3C 68 74 6D 6C 3E 3C 62 6F 64 79 3E 44 65 6D 6F <html><body>Demo

00000010 20 70 61 67 65 2E 3C 69 6D 67 20 73 72 63 3D 22 page. n²p{çAGÜuæ6ª¼#İ|è|YÜ¾4øá{C²ð·wYç÷û]

000000E0 /ššÄ`>6¼N`²úe²Oßñ\$Ašæ"p.²=Ü]AwAVæç%SièOkOI,R@FàJú.çšä;@ðEvtYüt¹¼äUðr\$C æ;ùüi4

000000F0 IgEä#f½`X"ifäÜY4;ul`ti`jì 2C!Öæo:áA†de"s`âææ,ÜyyÄa\$drš&è*E™Zürli&,İEAp3fi...—4è«X`sT

00000100 7<»eñ-â-b®;,:tyò-ç4öÇ`ÄñeİæR yGDŠÇ*PdaÇØ'Q'L`%øelí`2`šôè&y(Å%øæUj-¬#%GPHd!*u¹

00000110 d+^èCEâKFy®Rö†-ç\$Ä'-Đ &Ä'-1çšÄ`™EžáÄ,İPF"XODM*†LwAištDU7%ùİY...Ö'è'g@İx|è|

00000120 {æLiHKt±ĐVİè¥/äUIP8—®-LOGs²}ýsAÜdE.fN`ny`ZÄĐ)Đ`RtšlÜÄ2š0±2`Dº®Y

00000130 ...æ%ââIU...™L®ð`-#q`j*(¾Z"?ýdMEøFiE94Ohİ:™«pYžÖ,...ØT,Ö`³%}šš`İy5w#

00000140 {öØÇ`yñ9"rlp¶5²fH¬p«\ç]xºÜð®xÍ«^÷Èx¾4úð`€¬`KØÄö^M¬b

00000150 ÈØÆ:ð±-d`KÜEZö²İ-f7EÜİzVkiülÄ&Z%ødt;¥yEİšÜ/6qumL+[E6 Ø:ˆAE"İCl»F...5/â-...ljÖVšöo;

00000160 îmeêÖMfyTnmˆÖØOÖ+\$"+]äøt7İöĐ÷VİfLOJömiçEU7b5Eæ-2.ˆÄé.U7á]#uZÆ+Ø

00000170 %¾4úØCârûÖ\=2¾4Üð YÜ°Ü-Öa`Üiä,sBæN...š`ðu,Hè÷Äð¥á,žĐFffØj„WJV`Äİä(x„'İ†è@Sá¥&!

00000180 ±—•ñZxP|ð(zcf'`ð`ÇJšİ††`òu÷d`%Pj•ÆÆI{/P2èºÜ`²fvøe2Šé7C"ªEfOð\XEòJ%øh±š\$gu

00000190 R~N"ỹ%¼ä4`Ä`~ò|B%fE#Đ...Öðf!-i;„ÜSGáY=:;ýwĐP+4~xçP>šÖ%İ^ˆM(èMc,Öİ²:Ä,AXÇĐÖL¬!

000001A0 éH<zOpæ`çEüæ>»0xù}u"ð\âbE£ð"ýz©ß½7Lž&v±İ%ø(èÜKSDw<¶câÜ`Ä6¶CEýÄèjAZÜ°

000001B0 3æ;Ähæ¼4`ñ^¼4hÄC÷ÜÖi>^`ÄtøT¼4...-®"ç¥ª...šöÖ>øè`İè|OÜxgİòðº;èØøZø1Maw÷%ø

000001C0 v0(€YC+Ü"İy¹wYæÖ¼4âEþøGyäs`û6¼4İ9EÉYk)7L`-

000001D0 úoi<Ü`céNO4Z`æs©ó„¹E<2Öè½Cİ¾4ºx`\$?sÖS°gw:F6ž`«PjÈmçİš?İ{t™ç÷ÆÄžÜg*ºsí'æª~

000001E0 ÖFr}Áý€>»,ø~Öä;icbM~Y³`üPµ*Ü·[5tš1İuy½(÷÷)(6İøNµX1`]?E]žè;ØÄ`ý®@óyE†^ð6á}Æy•>

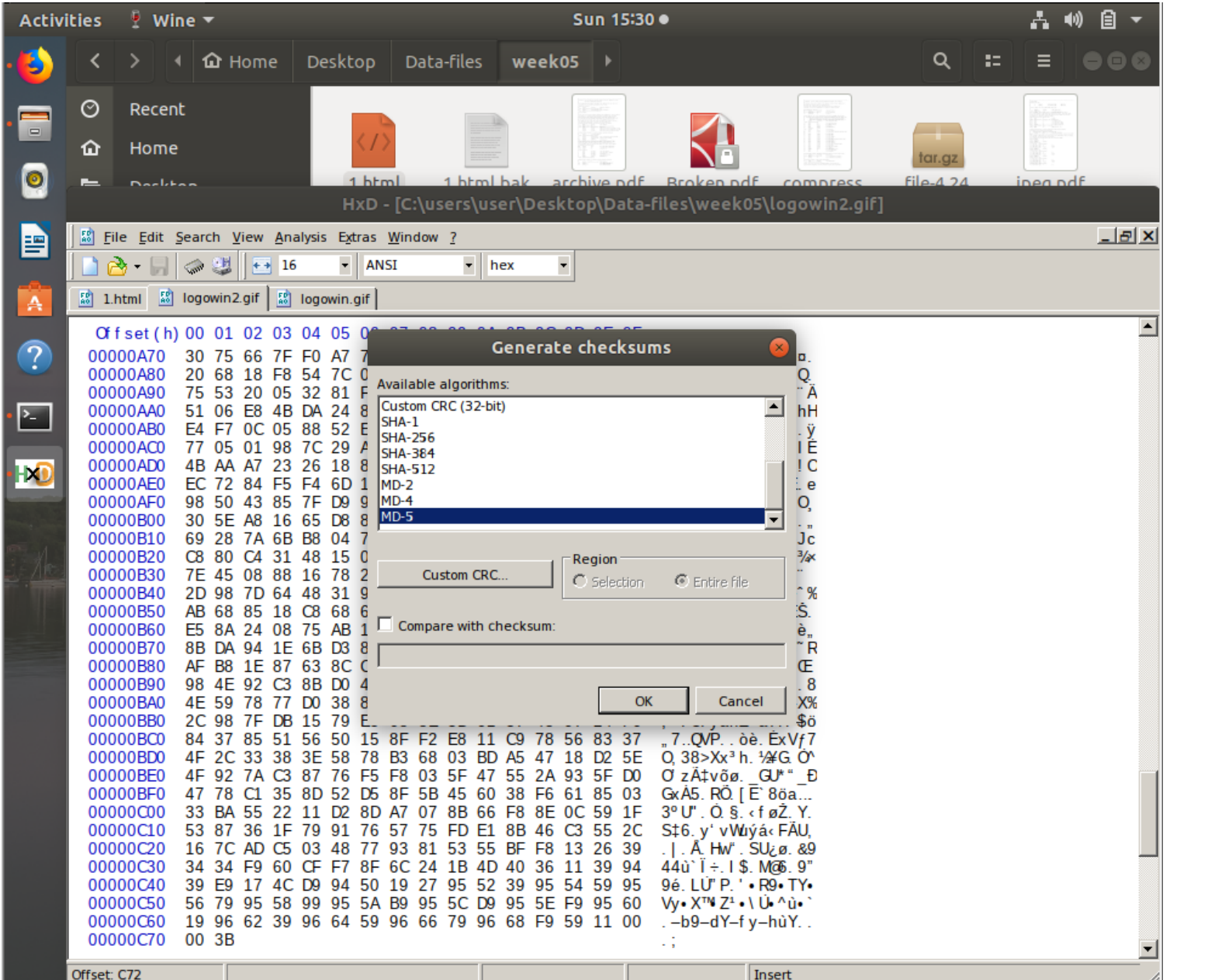
000001F0 .øİUg>ðéúÇÄp`âtMē[Ä%øl]İ-¾4`~"İæ³Tø* ØİšÖ,,~âwèÄ÷çpé«æ`èbN?İPÿiäþøEwyóP...SİÖQùgè

00000200 Rþ7yñG+×gJód~)EPŠT0ufðš{ %øÇ4Nèæ høT|hE÷7QuS 2ð,÷r,µT8`ÄQèKÜ\$÷|¬çèhHä÷

00000210

Offset: C92

Then I switched to the “1.html” file in the HxD editor. Selected the content that I just pasted, cut the highlighted content, and saved it in a separate file. The newly saved file (e.g. logowin2.gif) should be the same as the original file “logowin.gif”. I used the program md5sum to validate the result.



Activities Wine Sun 15:33

Home Desktop Data-files week05

Recent Home Desktop

1.html 1.html.bak archive.pdf Broken.pdf compress file-4.24 ineq.pdf

HxD - [C:\users\user\Desktop\Data-files\week05\logowin.gif]

File Edit Search View Analysis Extras Window ?

16 ANSI hex

1.html logowin2.gif logowin.gif

Offset (h)	00	01	02	03	04	05	06	07	08	09	0A	0B	0C	0D	0E	0F
00000A70	30	75	66	7F	F0	A7	7B	89	17	81	C7	34	4E	E8	A4	81
00000A80	20	68	18	F8	54	7C	0F	68	1A	1E	C8	1F	F7	37	51	1E
00000A90	75	53	20	05	32	81	F4	82	F7	72	82	B5	54	38	A8	C2
00000AA0	51	06	E8	4B	DA	24	83	F7	27	7C	AC	E7	80	1C	68	48
00000AB0	E4	F7	0C	05	88	52	E7	B4	4C	22	78	53	B7	87	14	FF
00000AC0	77	05	01	98	7C	29	A8	1C	03	65	84	F5	B4	83	49	C8
00000AD0	4B	AA	A7	23	26	18	84	95	14	85	F0	54	7F	AB	21	4F
00000AE0	EC	72	84	F5	F4	6D	17	B1	85	00	88	7C	43	C8	04	65
00000AF0	98	50	43	85	7F	D9	97	84	9D	51	82	4D	68	05	4F	B8
00000B00	30	5E	A8	16	65	D8	86	61	78	7E	F8	47	50	74	08	84
00000B10	69	28	7A	6B	B8	04	71	78	85	E8	87	80	6F	E8	4A	63
00000B20	C8	80	C4	31	48	15	02	4E	79	48	15	07	D8	88	BE	D7
00000B30	7E	45	08	88	16	78	2B	EF	A7	76	19	75	2D	03	A8	20
00000B40	2D	98	7D	64	48	31	9D	E8	FF	75	85	F8	85	2B	88	89
00000B50	AB	68	85	18	C8	68	6D	81	8A	09	B1	51	99	C8	8A	01
00000B60	E5	8A	24	08	75	AB	10	75	B2	18	78	9A	72	02	E8	84
00000B70	8B	DA	94	1E	6B	D3	8B	02	76	20	B9	A5	4A	A5	98	52
00000B80	AF	B8	1E	87	63	8C	C7	D8	77	3D	77	15	60	28	8C	2E
00000B90	98	4E	92	C3	8B	D0	48	5D	A6	57	64	2A	05	87	14	38
00000BA0	4E	59	78	77	D0	38	89	32	13	5E	2A	83	83	96	58	89
00000BB0	2C	98	7F	DB	15	79	E5	68	8E	3D	61	37	48	97	24	F6
00000BC0	84	37	85	51	56	50	15	85	F2	F8	11	C0	78	56	83	37

Checksums

C:\users\user\Desktop\Data-files\week05\logowin.gif

Algorithm	Checksum	Usage
MD-5	45CCF60A1C33C19F6FCCC104BEB446CF	

Offset: B3F Overwrite

Activities

Wine

Sun 15:34

Home

Desktop

Data-files

week05

Recent

Home

Desktop

1.html

1.html bak

archive.pdf

Broken.pdf

compress

file-4.24

ineq.pdf

HxD - [C:\users\user\Desktop\Data-files\week05\logowin.gif]

File

Edit

Search

View

Analysis

Extras

Window

?

16

ANSI

hex

1.html

logowin2.gif

logowin.gif

Offset (h)	00	01	02	03	04	05	06	07	08	09	0A	0B	0C	0D	0E	0F	
00000A70	30	75	66	7F	F0	A7	7B	89	17	81	C7	34	4E	E8	A4	81	0uf. ð\$ { %. Ç4Nèø.
00000A80	20	68	18	F8	54	7C	0F	68	1A	1E	C8	1F	F7	37	51	1E	h. øT . h. . E. ÷7Q.
00000A90	75	53	20	05	32	81	F4	82	F7	72	82	B5	54	38	A8	C2	uS . 2. ô, ÷r, µT8" Å
00000AA0	51	06	E8	4B	DA	24	83	F7	27	7C	AC	E7	80	1C	68	48	Q èKUSf÷' -ç€. hH
00000AB0	E4	F7	0C	05	88	52	E7	B4	4C	22	78	53	B7	87	14	FF	ä÷. . ^ Rç' L" xS: ‡. ý
00000AC0	77	05	01	98	7C	29	A8	1C	03	65	84	F5	B4	83	49	C8	w. .) " . . e. ö' f l E
00000AD0	4B	AA	A7	23	26	18	84	95	14	85	F0	54	7F	AB	21	4F	Kª \$#& ðT. «! C
00000AE0	EC	72	84	F5	F4	6D	17	B1	85	00	88	7C	43	C8	04	65	i r . . ööm ± . . . ^ CE. e
00000AF0	98	50	43	85	7F	D9	97	84	9D	51	82	4D	68	05	4F	B8	~ PC. . . Ü. . Q Mh. Q.
00000B00	30	5E	A8	16	65	D8	86	61	78	7E	F8	47	50	74	08	84	0^ . . eØfax~øGpt. . .
00000B10	69	28	7A	6B	B8	04	71	78	85	E8	87	80	6F	E8	4A	63	i (zk. . qx. . è†€øèJc
00000B20	C8	80	C4	31	48	15	02	4E	79	48	15	07	D8	88	BE	D7	E€Á1H. . NyH. . Ø %x
00000B30	7E	45	08	88	16	78	2B	EF	A7	76	19	75	2D	03	A8	20	~E. . x+î sv. u. . .
00000B40	2D	98	7D	64	48	31	9D	E8	FF	75	85	F8	85	2B	88	89	-~} dHl. èyu. . ø. . + ^ %
00000B50	AB	68	85	18	C8	68	6D	81	8A	09	B1	51	99	C8	8A	01	«h. . . Ehm S. ±Q" ES.
00000B60	E5	8A	24	08	75	AB	10	75	B2	18	78	9A	72	02	E8	84	ã\$\$. u«. u². xšr. è.
00000B70	8B	DA	94	1E	6B	D3	8B	02	76	20	B9	A5	4A	A5	98	52	«Ü'. kØ. v . ‡ ¥J¥~ R
00000B80	AF	B8	1E	87	63	8C	C7	D8	77	3D	77	15	60	28	8C	2E	~. . ‡cØw=w. ` (CE
00000B90	98	4E	92	C3	8B	D0	48	5D	A6	57	64	2A	05	87	14	38	~N Å. ØH ; Wl* . ‡. 8
00000BA0	4E	59	78	77	D0	38	89	32	13	5E	2A	83	83	96	58	89	NYxwD8%2. ^* ff-X%
00000BB0	2C	98	7F	DB	15	79	E5	68	8E	3D	61	37	48	97	24	F6	, ~. Ü. yáhZ=a7H-\$ö
00000BC0	84	37	85	51	56	50	15	85	C2	F8	11	C0	78	56	83	37	7. CVD. ðà. ÈvVt7

Checksums

C:\users\user\Desktop\Data-files\week05\logowin2.gif

Update

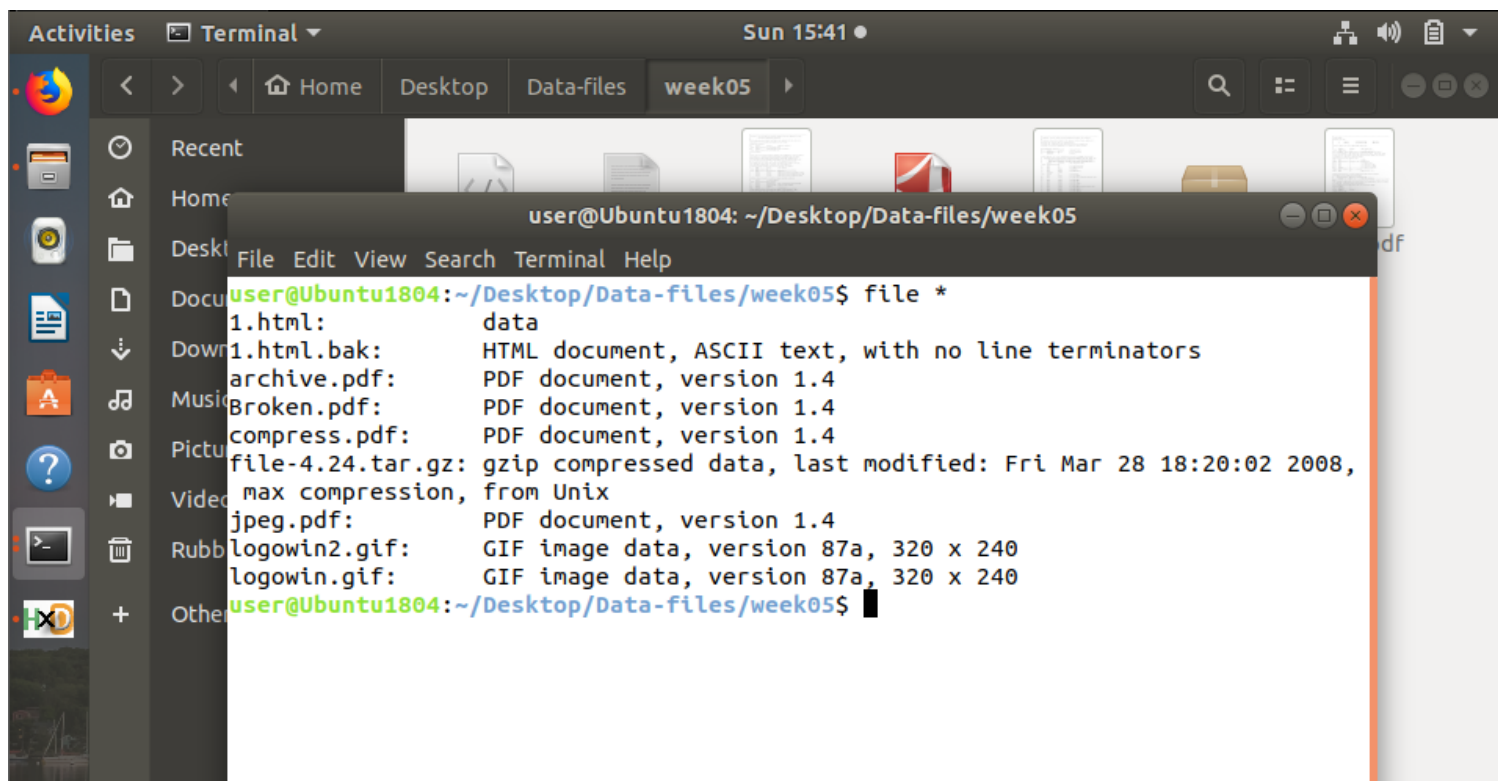
Algorithm	Checksum	Usage
MD-5	45CCF60A1C33C19F6FCCCC1048EB446CF	

Offset: B3F

Overwrite

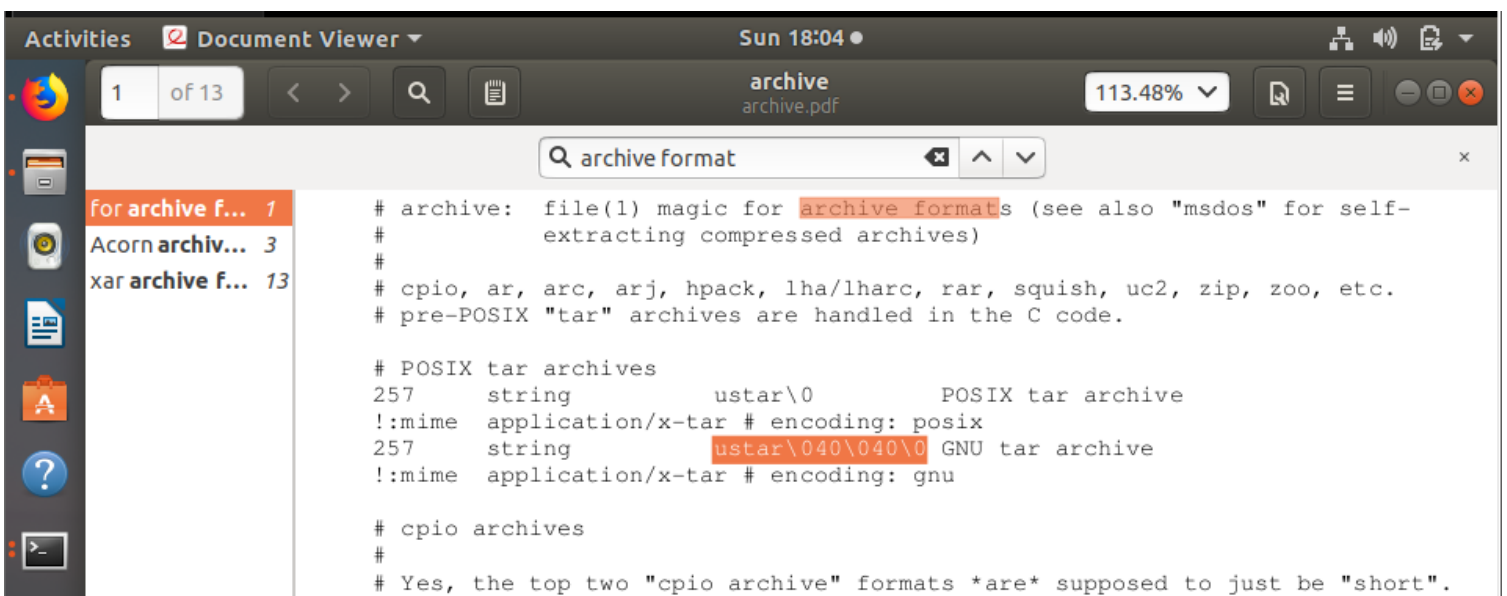
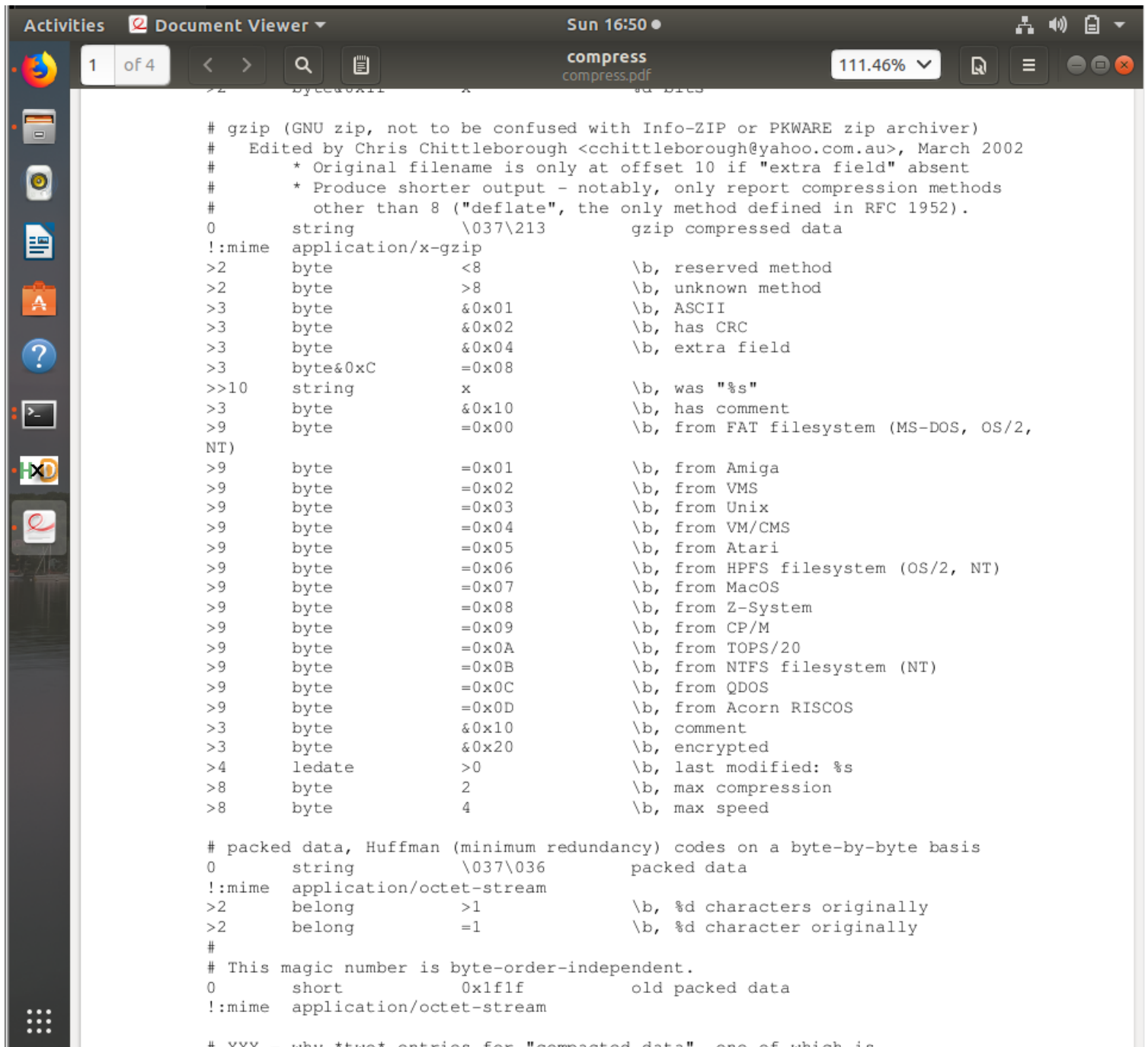
Introducing the Linux tool file

After that, I was able to identify different file types using their magic numbers by using the Linux utility "file". Through header analysis, this tool assisted in identifying the appropriate programs to open different types of files. Using this information, I looked at a gzip file and saw its magic number in hexadecimal and octal representations.



The screenshot shows a Linux desktop environment. In the background, a file manager window is open, displaying the contents of the directory `~/Desktop/Data-files/week05`. The files listed include `1.html`, `1.html.bak`, `archive.pdf`, `Broken.pdf`, `compress.pdf`, `file-4.24.tar.gz`, `jpeg.pdf`, `logowin2.gif`, and `logowin.gif`. In the foreground, a terminal window is open, showing the command `file *` being executed. The output of the command identifies the file types and their magic numbers.

```
user@Ubuntu1804: ~/Desktop/Data-files/week05
File Edit View Search Terminal Help
user@Ubuntu1804:~/Desktop/Data-files/week05$ file *
1.html: data
1.html.bak: HTML document, ASCII text, with no line terminators
archive.pdf: PDF document, version 1.4
Broken.pdf: PDF document, version 1.4
compress.pdf: PDF document, version 1.4
file-4.24.tar.gz: gzip compressed data, last modified: Fri Mar 28 18:20:02 2008,
max compression, from Unix
jpeg.pdf: PDF document, version 1.4
logowin2.gif: GIF image data, version 87a, 320 x 240
logowin.gif: GIF image data, version 87a, 320 x 240
user@Ubuntu1804:~/Desktop/Data-files/week05$
```



Q archive format

for archive f... 1

Acorn archiv... 3

xar archive f... 13

```
# Symbian installation files
# http://www.thouky.co.uk/software/psifs/sis.html
#
http://developer.symbian.com/main/downloads/papers/SymbianOSv91/softwareinstalls
8      lelong  0x10000419      Symbian installation file
!:mime  application/vnd.symbian.install
>4      lelong  0x1000006D      (EPOC release 3/4/5)
>4      lelong  0x10003A12      (EPOC release 6)
0       lelong  0x10201A7A      Symbian installation file (Symbian OS 9.x)
!:mime  x-epoc/x-sisx-app

# Pack200 Java archives, http://jcp.org/en/jsr/detail?id=200
0       belong  0xcafed00d      Pack200 Java archive

# From "Nelson A. de Oliveira" <naoliv@gmail.com>
0       string  MPQ\032         MoPaQ (MPQ) archive

# From: Dirk Jagdmann <doj@cubic.org>
# xar archive format: http://code.google.com/p/xar/
0       string  xar!            xar archive
>6      beshort x               - version %ld

# From: "Nelson A. de Oliveira" <naoliv@gmail.com>
# .kgb
0       string  KGB_arch        KGB Archiver file
>10     string  x               with compression level %ls

# xar (eXtensible ARchiver) archive
# From: "David Remahl" <dremahl@apple.com>
0       string  xar!            xar archive
#>4     beshort x               header size %d
>6      beshort x               version %d,
#>8     quad    x               compressed TOC: %d,
#>16    quad    x               uncompressed TOC: %d,
>24     belong  0               no checksum
>24     belong  1               SHA-1 checksum
>24     belong  2               MD5 checksum
```

Activities

Wine

Sun 18:11

13 of 13

archive

archive.pdf

113.48%

archive format

HxD - [C:\users\user\Desktop\Data-files\week05\file-4.24.tar]

File Edit Search View Analysis Extras Window ?

16

ANSI

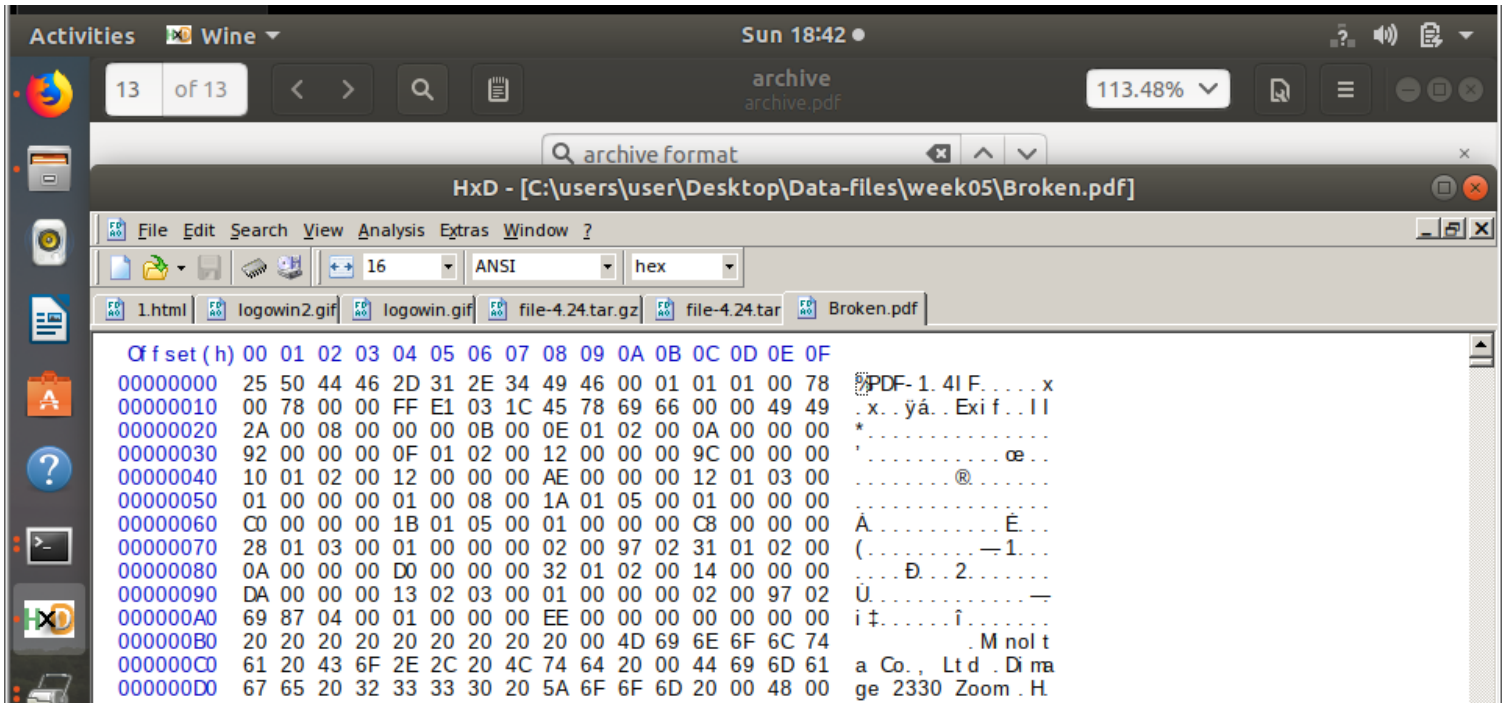
hex

1.html logowin2.gif logowin.gif file-4.24.tar.gz file-4.24.tar

Offset (h)	00	01	02	03	04	05	06	07	08	09	0A	0B	0C	0D	0E	0F	
0003C9A0	20	20	54	68	65	20	73	79	73	74	65	6D	20	22	61	77	The system "aw
0003C9B0	6B	22	20	69	73	20	62	61	64	20	6F	6E	0A	23	20	73	k" is bad on. # s
0003C9C0	6F	6D	65	20	70	6C	61	74	66	6F	72	6D	73	2E	0A	41	ome platforms. A
0003C9D0	43	5F	52	45	51	55	49	52	45	28	5B	41	43	5F	50	52	C_REQUIRE([AC_PR
0003C9E0	4F	47	5F	41	57	4B	5D	29	64	6E	6C	0A	41	43	5F	52	OG_AWK]) dnl. AC_R
0003C9F0	45	51	55	49	52	45	28	5B	41	43	5F	50	52	4F	47	5F	EQUI RE([AC_PROG
0003CA00	4D	41	4B	45	5F	53	45	54	5D	29	64	6E	6C	0A	41	43	MAKE_SET]) dnl. AC
0003CA10	5F	52	45	51	55	49	52	45	28	5B	41	4D	5F	53	45	54	_REQUI RE([AM_SET
0003CA20	5F	4C	45	41	44	49	4E	47	5F	44	4F	54	5D	29	64	6E	_LEADI NG_DOT]) dn
0003CA30	6C	0A	5F	41	4D	5F	49	46	5F	4F	50	54	49	4F	4E	28	I. _AM_I_F_OPTI ON(
0003CA40	5B	74	61	72	2D	75	73	74	61	72	5D	2C	20	5B	5F	41	[tar -ust ar], [_A
0003CA50	4D	5F	50	52	4F	47	5F	54	41	52	28	5B	75	73	74	61	M_PROG_TAR([ust a
0003CA60	72	5D	29	5D	2C	0A	20	20	20	20	20	20	20	20	20	20	r]]). _
0003CA70	20	20	20	20	5B	5F	41	4D	5F	49	46	5F	4F	50	54	49	[_AM_I_F_OPTI
0003CA80	4F	4E	28	5B	74	61	72	2D	70	61	78	5D	2C	20	5B	5F	ON([tar -pax], [_
0003CA90	41	4D	5F	50	52	4F	47	5F	54	41	52	28	5B	70	61	78	AM_PROG_TAR([pax
0003CAA0	5D	29	5D	2C	0A	09	20	20	20	20	20	20	09	09	20	20)]). _
0003CAB0	20	20	20	5B	5F	41	4D	5F	50	52	4F	47	5F	54	41	52	[_AM_PROG_TAR
0003CAC0	28	5B	76	37	5D	29	5D	29	5D	29	0A	5F	41	4D	5F	49	([v7]]))]. _AM_I
0003CAD0	46	5F	4F	50	54	49	4F	4E	28	5B	6E	6F	2D	64	65	70	F_OPTI ON([no-dep
0003CAE0	65	6E	64	65	6E	63	69	65	73	5D	2C	2C	0A	5B	41	43	endenci es], _[AC
0003CAF0	5F	50	52	4F	56	40	4A	4F	5F	40	46	4F	53	4F	52	28	PROG_TAR([ust ar],

Repairing Broken File Headers

Lastly, the task included fixing a file header that was broken. After using HxD to examine the file more closely, we discovered that it was actually a JPEG file with an Exif header that was mistakenly classified as a PDF. By utilizing the hex editor to swap out the wrong PDF header with the correct JPEG header, I was able to save the altered file as "Broken.jpg" and successfully restore the image.



Activities

Wine

Sun 18:52

13 of 13

archive archive.pdf

113.48%

archive format

HxD - [Untitled4]

File Edit Search View Analysis Extras Window ?

16 ANSI hex

Broken.pdf Untitled4

Offset (h)	00	01	02	03	04	05	06	07	08	09	0A	0B	0C	0D	0E	0F	
00000000	FF	D8	FF	E0	00	10	4A	46	49	46	00	01	01	01	00	78	ÿøà..JFIF....x
00000010	00	78	00	00	FF	E1	03	1C	45	78	69	66	00	00	49	49	.x..ÿá..Exif..II
00000020	2A	00	08	00	00	00	0B	00	0E	01	02	00	0A	00	00	00	*
00000030	92	00	00	00													
00000040	10	01	02	00													
00000050	01	00	00	00													
00000060	C0	00	00	00													
00000070	28	01	03	00													
00000080	0A	00	00	00													
00000090	DA	00	00	00													
000000A0	69	87	04	00													
000000B0	20	20	20	20													
000000C0	61	20	43	6F													
000000D0	67	65	20	32													
000000E0	00	00	01	00													
000000F0	20	20	20	20													
00000100	30	35	20	31													
00000110	03	00	04	00													
00000120	00	00	30	32													
00000130	00	00	04	90													
00000140	07	00	04	00													
00000150	00	00	E4	01													
00000160	00	00	02	92													
00000170	0A	00	01	00	00	00	FC	01	00	00	09	92	03	00	01	00	ü
00000180	00	00	01	00	00	00	0A	92	05	00	01	00	00	00	04	02	
00000190	00	00	7C	92	07	00	08	01	00	00	0C	02	00	00	00	A0	
000001A0	07	00	04	00	00	00	30	31	30	30	01	A0	03	00	01	00	0100.
000001B0	00	00	01	00	00	00	02	A0	04	00	01	00	00	00	80	03	€.
000001C0	00	00	03	A0	04	00	01	00	00	00	58	02	00	00	00	00	X.
000001D0	00	00	64	00	64	00	64	00	64	00	32	30	30	31	3A	30	d.d.d.d.2001:0
000001E0	38	3A	30	35	20	31	34	3A	35	30	3A	30	37	00	32	30	8:05:14:50:07:20

Save in: week05

1.html

1.html.bak

archive.pdf

Broken (copy).pdf

Broken.pdf

compress.pdf

file-4.24.tar

file-4.24.tar.gz

jpeg.pdf

logowin.gif

logowin2.gif

File name: broken.jpg

Files of type: All files (*.*)

Save Cancel

Checksums

Offset: 8

* Modified *

Overwrite

