

1)

a)

The screenshot shows a virtual machine environment with a terminal window and a file explorer window. The terminal window displays the following commands and output:

```
berkay@berkay-VirtualBox: ~/Masaüstü
berkay$ cat cdr_dosyasi.txt
DATE, START_VOLUME, END_VOLUME, MSISDN
20120704000000, 2385793962, 2385794607, 5598978869
20120704000000, 8598804, 8600038, 5528978869
20130702095826, 2216851856, 2216852221, 5898978869
20130702193344, 26328649, 26329562, 5898978869
20130702220742, 11695445, 11696412, 5898978869
20130702225649, 13825, 14015, 5558978869
20130703105422, 24872603, 24872618, 5358978869
20130703110034, 7891, 7911, 5898978869
20130703140202, 1652, 2327, 5898978869
20130703140611, 10160, 11085, 5898978869
20130703141402, 7886, 8435, 5898978869
20130703141937, 5941, 6532, 5898978869
20130703143633, 8101, 8312, 5898978869
20130703144237, 14388, 14867, 5898978869
20130703145153, 5808, 5856, 5898978869
20130703145644, 2250, 2372, 5898978869
20130703150849, 19441, 20109, 5898978869
20130703151112, 19860, 20157, 5898978869
20130703151459, 11240, 12017, 5898978869
20130703151928, 14354, 14382, 5898978869
20130703152213, 669, 1324, 5898978869
```

The file explorer window shows the contents of the file `cdr_dosyasi.txt`, which is a CSV file containing the same data as the terminal output.

b)

The screenshot shows a virtual machine environment with a terminal window and a file explorer window. The terminal window displays the following commands and output:

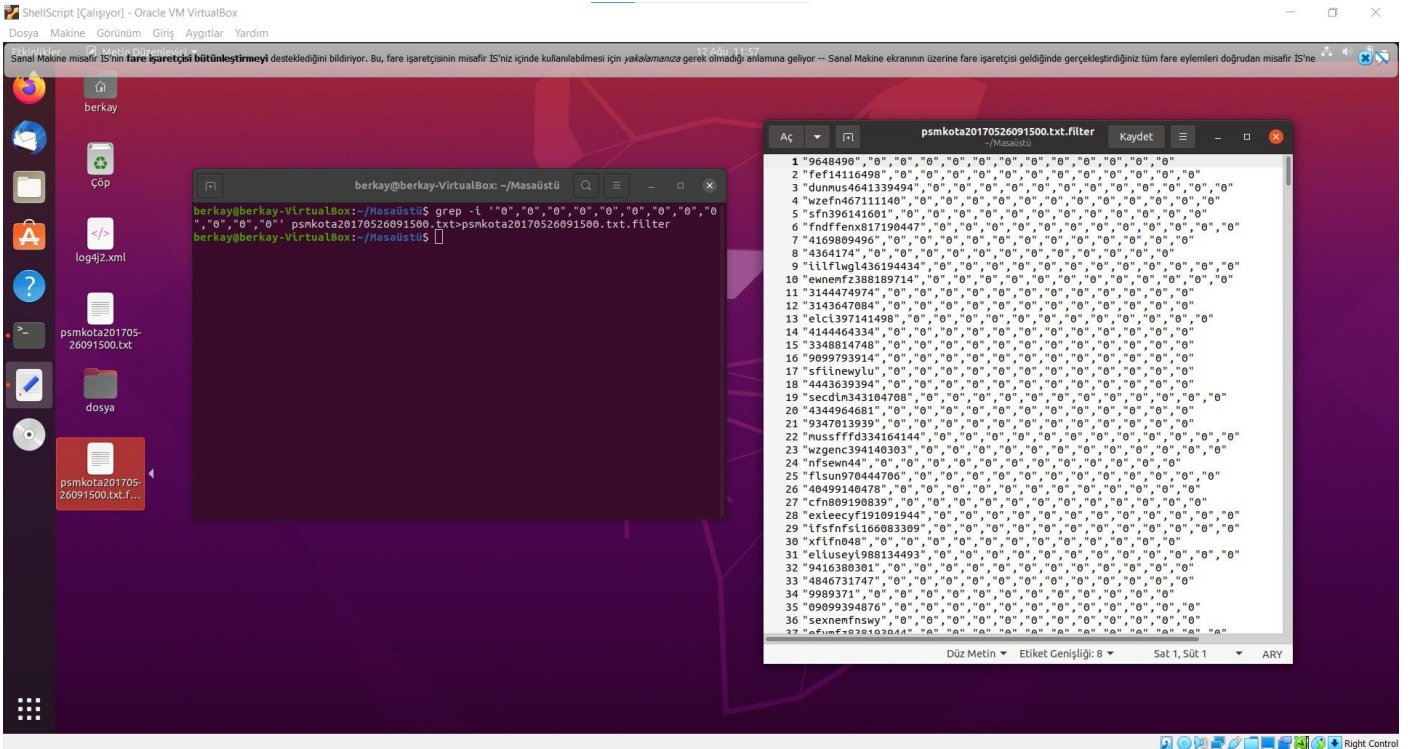
```
berkay@berkay-VirtualBox: ~/Masaüstü
berkay$ cat cdr_dosyasi.txt
DATE, START_VOLUME, END_VOLUME, MSISDN
20120704000000, 2385793962, 2385794607, 5598978869
20120704000000, 8598804, 8600038, 5528978869
20130702095826, 2216851856, 2216852221, 5898978869
20130702193344, 26328649, 26329562, 5898978869
20130702220742, 11695445, 11696412, 5898978869
20130702225649, 13825, 14015, 5558978869
20130703105422, 24872603, 24872618, 90558978869
20130703110034, 7891, 7911, 905898978869
20130703140202, 1652, 2327, 905898978869
20130703140611, 10160, 11085, 905898978869
20130703141402, 7886, 8435, 905898978869
20130703141937, 5941, 6532, 905898978869
20130703143633, 8101, 8312, 905898978869
20130703144237, 14388, 14867, 905898978869
20130703145153, 5808, 5856, 905898978869
20130703145644, 2250, 2372, 905898978869
20130703150849, 19441, 20109, 905898978869
20130703151112, 19860, 20157, 905898978869
20130703151459, 11240, 12017, 905898978869
20130703151928, 14354, 14382, 905898978869
20130703152213, 669, 1324, 905898978869
```

The file explorer window shows the contents of the file `updated_cdr_dosyasi.txt`, which is a CSV file containing the same data as the terminal output.

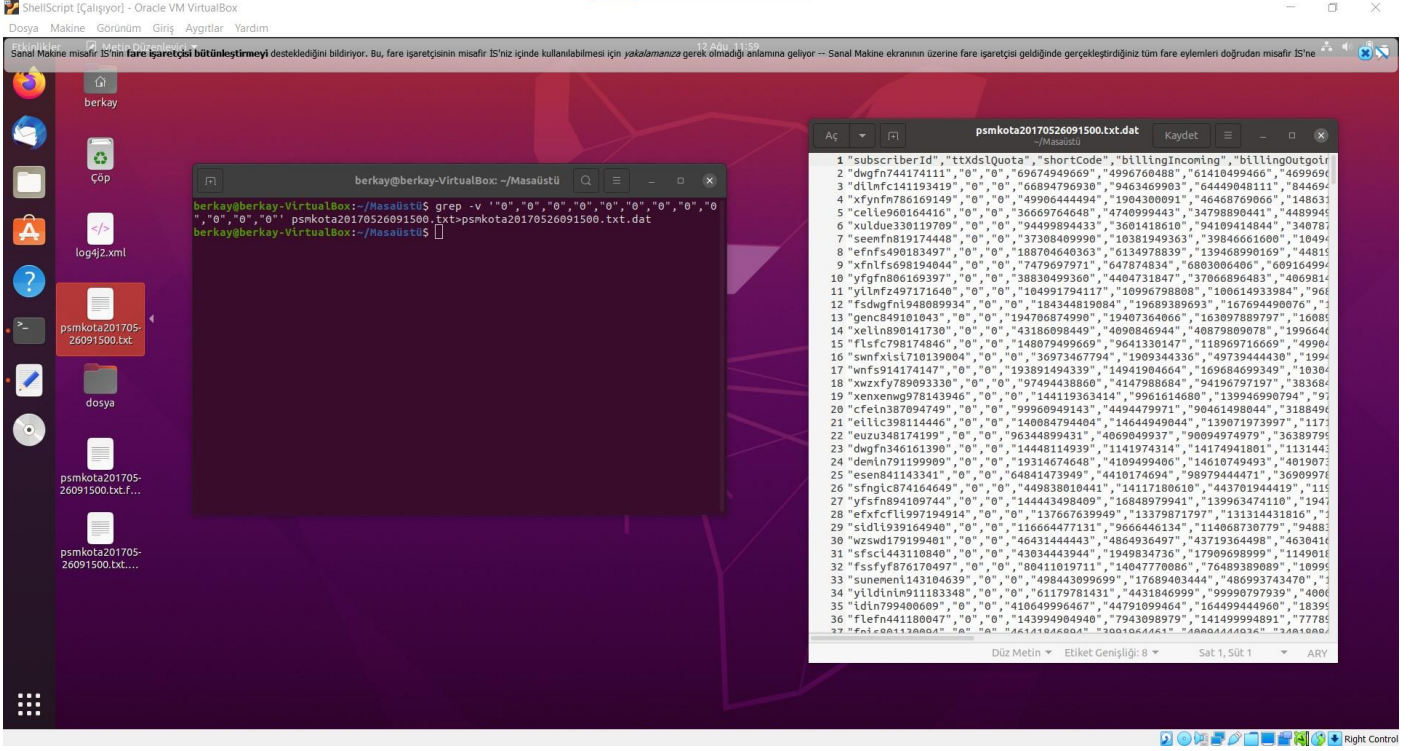
The image shows a Windows 10 desktop with a dark theme. In the background, a virtual machine window titled "berkey@berkey-VirtualBox: ~/Masaüstü" is open. The terminal window displays a command: `berkey@berkey-VirtualBox:~/Masaüstü$ awk -F$'\n' -v OFS=$'\n' '{if(NR==1)var1 = "endvolume-startvolume"; else var1 = ($3-$2); $4 = $4", "var1:1" updated_cdr_do syasi.txt > columnAdded_cdr_dosyasi.txt}`. On the desktop, several icons are visible: "berkey", "Çöp", "logg2.xml", "cdr_dosyasi.txt", "dosya", "updated_cdr_dosyasi.txt", and "columnAdded - cdr_dosyasi.txt". A file explorer window is open, showing the contents of "columnAdded_cdr_dosyasi.txt". The file contains a list of data rows, each with a line number and a comma-separated list of values:

Line	DATE	START	VOLUME	END	VOLUME	MS1SDN	endvolume-startvolume
1	20120704000000	2,38579362	2,385794607	905598978869	645		
2	20120704000000	8,599804	8,600038	905528978869	234		
3	20130702095826	2,216851856	2,216852221	905898978869	365		
4	20130702193344	2,6328049	2,6329562	905898978869	913		
5	20130702208742	1,1695445	1,1696412	905898978869	967		
6	2013070225649	1,3825	1,4015	90558978869	190		
7	20130703105422	2,4872603	2,4872618	905358978869	15		
8	20130703110034	7,891	7,911	905898978869	20		
9	20130703140202	1,652	2,327	905898978869	675		
10	20130703140611	1,0160	1,1085	905898978869	925		
11	20130703141402	7,886	8,435	905898978869	549		
12	20130703141937	5,941	6,532	905898978869	591		
14	20130703143633	8,010	8,312	905898978869	211		
15	20130703144237	1,4388	1,4867	905898978869	479		
16	20130703145153	5,808	5,856	905898978869	48		
17	20130703145644	2,250	2,372	905898978869	122		
18	20130703150849	1,9441	2,0109	905898978869	068		
19	20130703151112	1,1960	2,0157	905898978869	297		
20	20130703151459	1,1240	1,2017	905898978869	777		
21	20130703151928	1,4354	1,4382	905898978869	28		
22	20130703152213	6,69	1,324	905898978869	655		
23	20130703110908	6,155	6,353	905898978869	198		
24	20130703111647	7,409	8,035	905898978869	626		
25	20130703122535	1,8271	1,9147	905898978869	876		
26	20130703125029	0,360	9,084	905898978869	716		
27	20130703125445	5,588	5,684	905898978869	96		
28	20130703125834	2,169	2,908	905898978869	739		
29	20130703130826	3,210	3,984	905898978869	774		
30	20130703131124	1,602	2,506	905898978869	904		
31	20130703132307	1,664	2,605	905898978869	941		
32	20130703132601	1,304	2,106	905898978869	802		
33	20130703133450	5,158	5,442	905898978869	284		
34	20130703134546	7,541	7,563	905898978869	22		
35	20130703134920	5,738	6,377	905898978869	639		
36	20130703135246	1,872	2,838	905898978869	966		
37	20130703164741	5,162	5,335	905898978869	173		

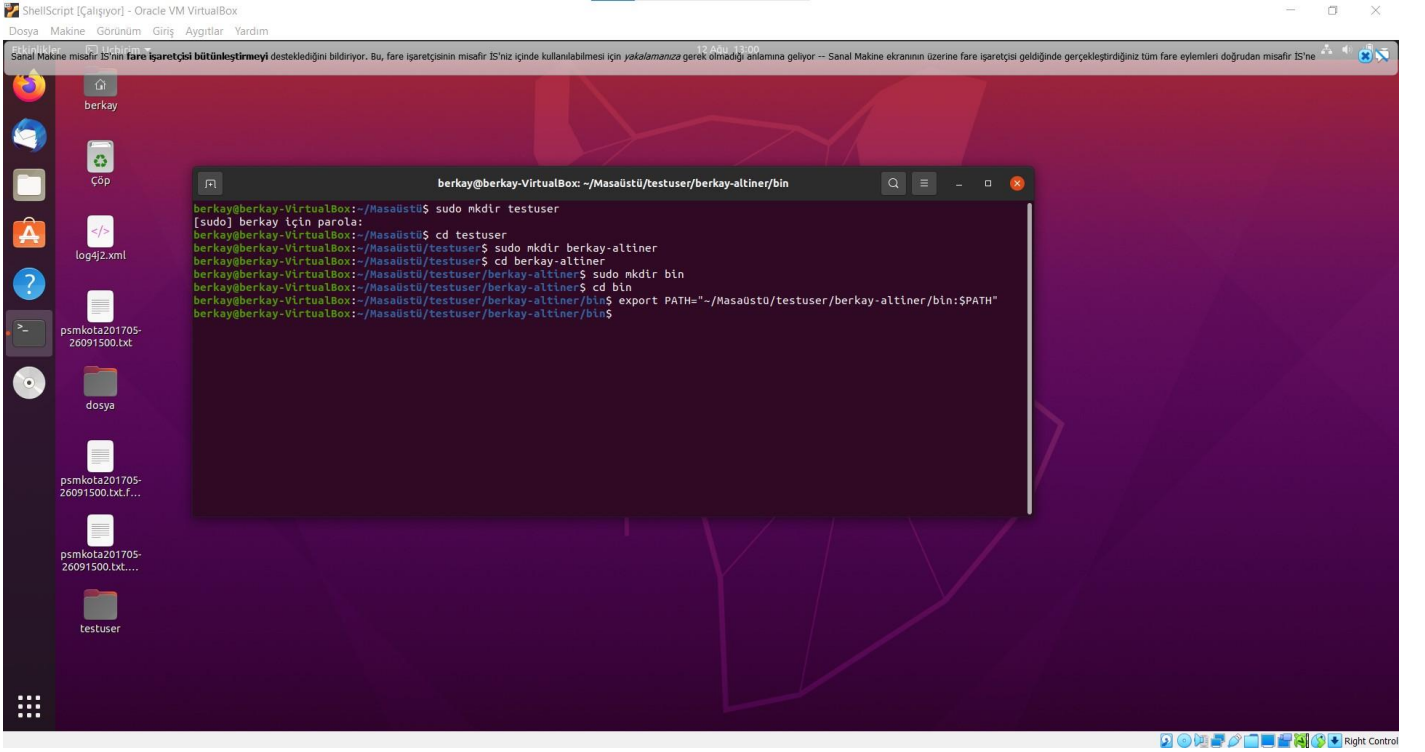
a)



b)



3)



4)

ShellScript [Çalışıyor] - Oracle VM VirtualBox

Dosya Makine Görünüm Giriş Aygıtlar Yardım

Sanal Makine misafir işletim sistemi fare izleme desteği bildiriyor. Bu, fare izleme misafiri işletim sisteminde kullanılabilmek için yakalamamız gerek olmalıdır anlamına geliyor -- Sanal Makine ekranının üzerine fare izleyicisi geldiğinde gerçekleştirdiğiniz tüm fare eylemleri doğru sanal işletim sistemi

berkay@berkay-VirtualBox: ~/Masaüstü

```
berkay@berkay-VirtualBox:~/Masaüstü$ awk 'S0 ~/FileId/{split(S0,a,""); printf"insert into AGGREGATION_STATUS values"; for(i=1; i<=5; i++){split(a[i],b,"="); if(i==1){printf("("s",b[2]);}else printf(", %s",b[2]);}printf");\n"} END{print"commit;"}' rh.err.txt > sqlscript.txt
```

berkay@berkay-VirtualBox:~/Masaüstü\$

sqlscript.txt

```
1 insert into AGGREGATION_STATUS values(57373066, 23806821254, 1, 62411379, 32115491);
2 insert into AGGREGATION_STATUS values(57375526, 23810389650, 1, 62380066, 32084180);
3 insert into AGGREGATION_STATUS values(57376533, 23815187277, 1, 62388792, 32092904);
4 insert into AGGREGATION_STATUS values(57382849, 23824908023, 1, 62381646, 32085760);
5 insert into AGGREGATION_STATUS values(57383035, 23824949878, 1, 62380788, 32084900);
6 insert into AGGREGATION_STATUS values(57429297, 23837891855, 1, 62346967, 32051080);
7 insert into AGGREGATION_STATUS values(57460589, 23847964728, 1, 61945178, 31649088);
8 insert into AGGREGATION_STATUS values(57462810, 23848710664, 1, 62380788, 32084900);
9 insert into AGGREGATION_STATUS values(57467470, 23850401543, 1, 62411379, 32115491);
10 insert into AGGREGATION_STATUS values(57473656, 23852484379, 1, 61945178, 31649088);
11 insert into AGGREGATION_STATUS values(57474261, 23852714529, 1, 61945178, 31649088);
12 insert into AGGREGATION_STATUS values(57477159, 23853778203, 1, 62380788, 32084900);
13 insert into AGGREGATION_STATUS values(57479446, 23854534989, 1, 62411379, 32115491);
14 insert into AGGREGATION_STATUS values(57482019, 23855395806, 1, 62346967, 32051080);
15 insert into AGGREGATION_STATUS values(57489520, 23858003850, 1, 62388792, 32092904);
16 insert into AGGREGATION_STATUS values(57496676, 23860538790, 1, 62380788, 32084900);
17 insert into AGGREGATION_STATUS values(57499881, 23861574670, 1, 62409260, 32113366);
18 insert into AGGREGATION_STATUS values(57500277, 23861697531, 1, 62409260, 32113366);
19 insert into AGGREGATION_STATUS values(57501236, 23862039649, 1, 62380788, 32084900);
20 insert into AGGREGATION_STATUS values(57507224, 23864044049, 1, 62380066, 32084180);
21 insert into AGGREGATION_STATUS values(57507499, 23864134029, 1, 62380788, 32084900);
22 insert into AGGREGATION_STATUS values(57507533, 23864143703, 1, 62380788, 32084900);
23 insert into AGGREGATION_STATUS values(57508877, 23864653938, 1, 61945178, 31649088);
24 insert into AGGREGATION_STATUS values(57510103, 23865075054, 1, 62380788, 32084900);
25 insert into AGGREGATION_STATUS values(57513308, 2386692376, 1, 62380788, 32084900);
26 insert into AGGREGATION_STATUS values(57516805, 23867340792, 1, 62411379, 32115491);
27 insert into AGGREGATION_STATUS values(57516901, 23867371032, 1, 62411379, 32115491);
28 insert into AGGREGATION_STATUS values(57524764, 23869990071, 1, 62346967, 32051080);
29 insert into AGGREGATION_STATUS values(57538760, 23874887511, 1, 62388792, 32092904);
30 insert into AGGREGATION_STATUS values(57541767, 23875809283, 1, 62388792, 32092904);
31 insert into AGGREGATION_STATUS values(57542703, 23876107510, 1, 62380066, 32084180);
32 insert into AGGREGATION_STATUS values(57552778, 23879695116, 1, 62409260, 32113366);
```

5)

ShellScript [Çalışıyor] - Oracle VM VirtualBox

Dosya Makine Görünüm Giriş Aygıtlar Yardım

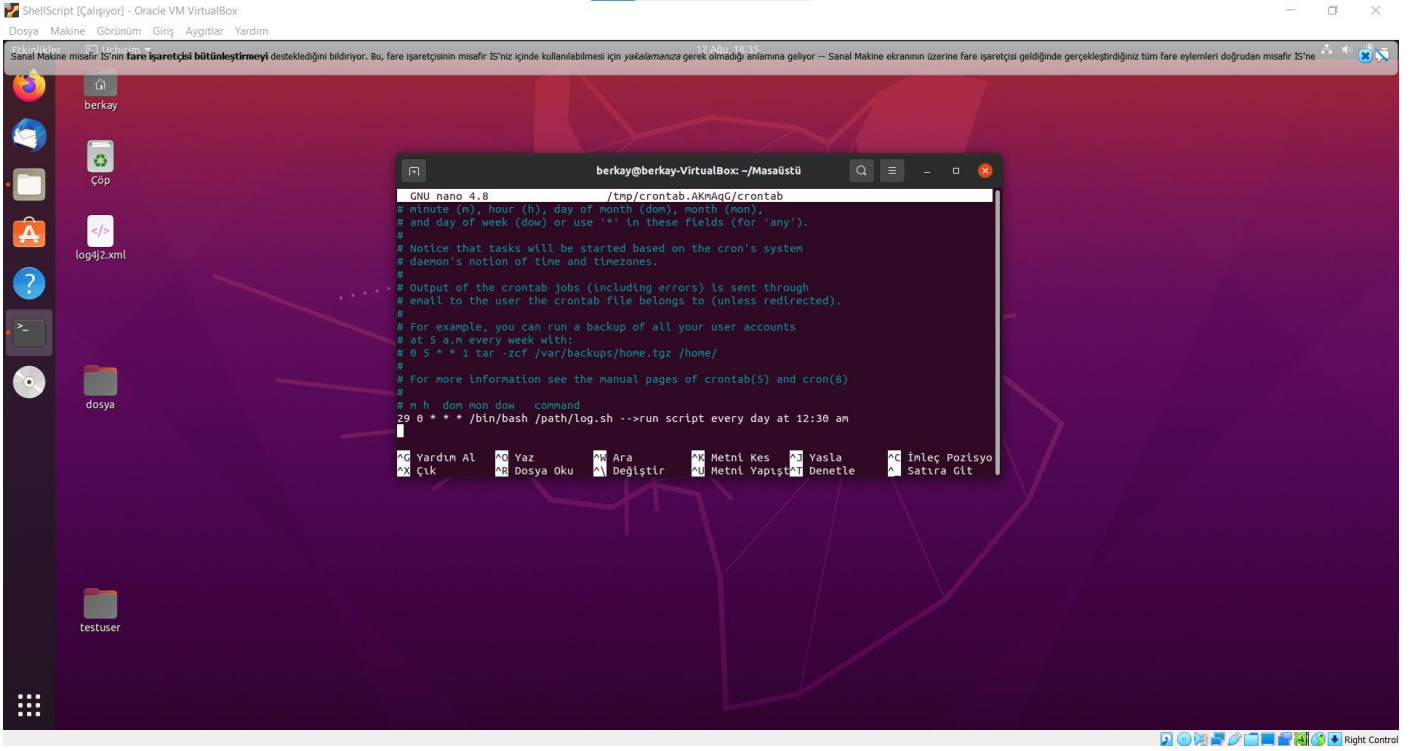
Sanal Makine misafir işletim sistemi fare izleme desteği bildiriyor. Bu, fare izleme misafiri işletim sisteminde kullanılabilmek için yakalamamız gerek olmalıdır anlamına geliyor -- Sanal Makine ekranının üzerine fare izleyicisi geldiğinde gerçekleştirdiğiniz tüm fare eylemleri doğru sanal işletim sistemi

berkay

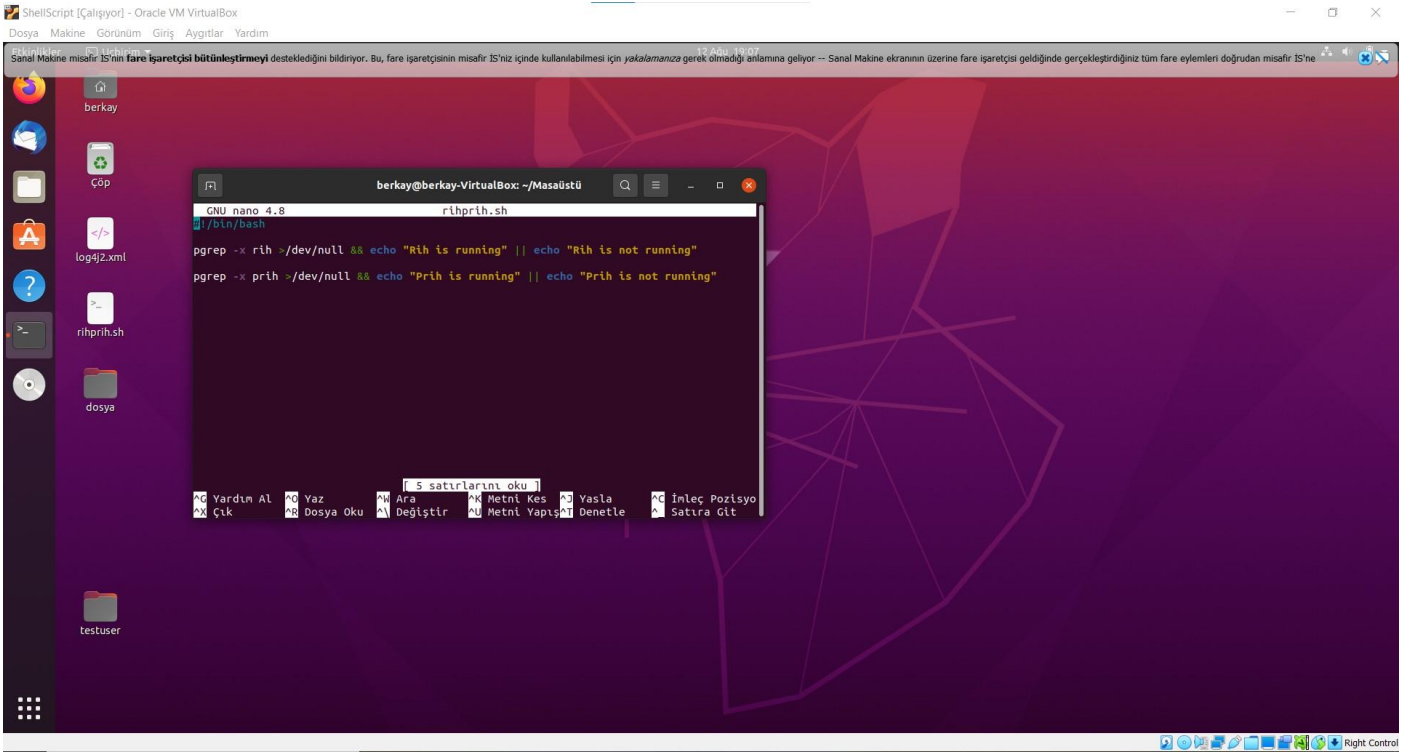
log.sh

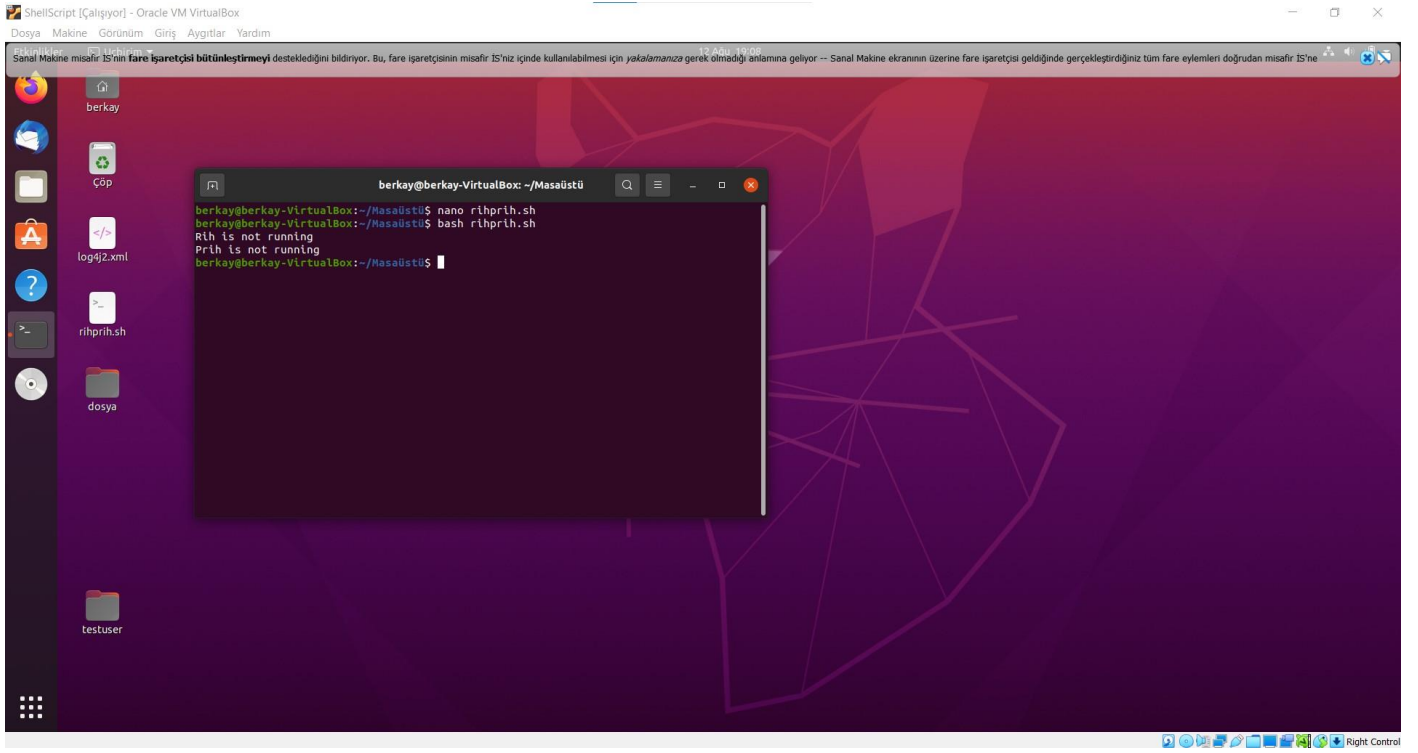
```
1 #!/bin/bash
2 backup_files=/BSCS_LOG
3 dest=BSCS_WORK/BACKUP_LOGS
4
5 day=$(date +%x)
6 archive_file="bcs_log_$day.tar.gz"
7
8 tar czf $dest/$archive_file $backup_files
```

sh Etiket Geniliği: 8 Sat 1, Süt 1 ARY

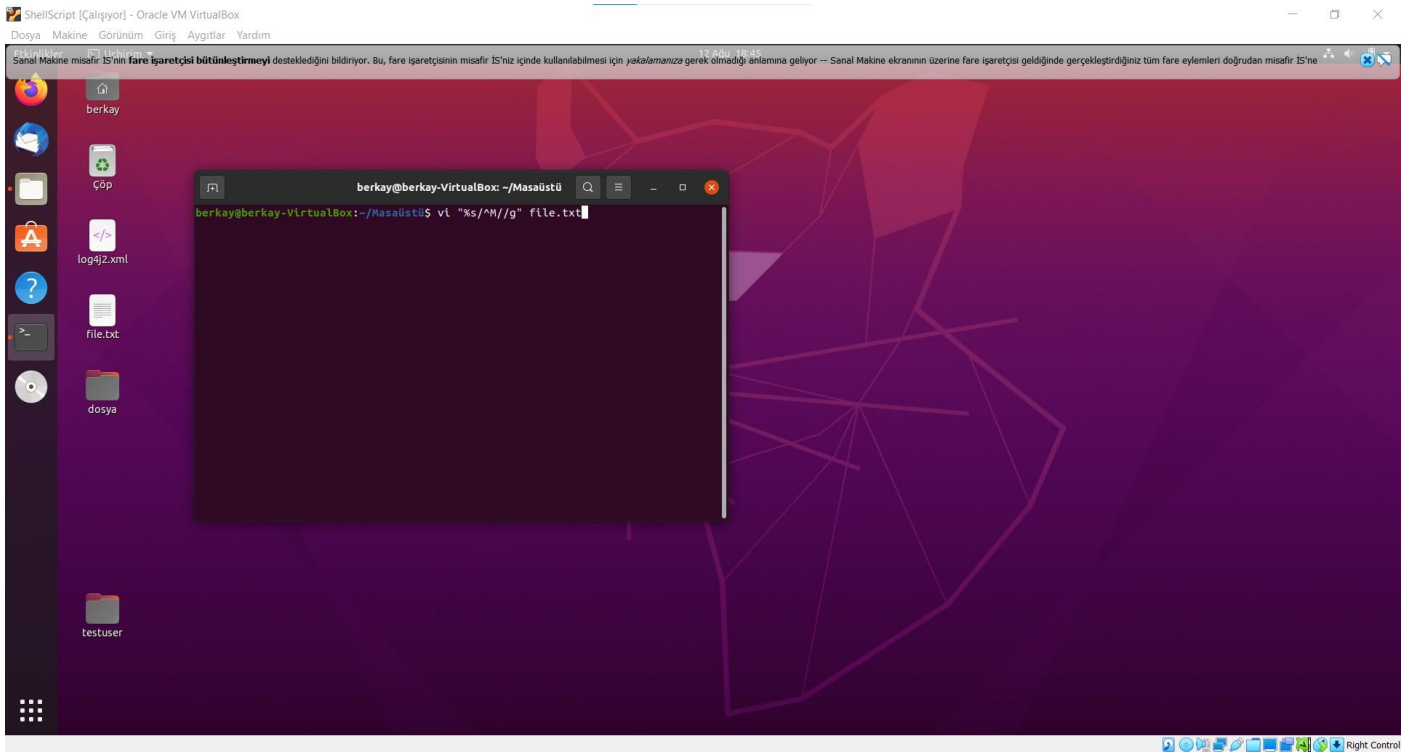


6)





7)



8)

ShellScript [Çalışıyor] - Oracle VM VirtualBox

Dosya Makine Görünüm Giriş Aygıtlar Yardım

Sanal Makine misafiri IS'nin fare işleticisi bitirilmeyi desteklediğini bildiriyor. Bu, fare işleticisinin misafiri IS'niz içinde kullanılması için yakalamanızı gerektirmediği anlamına geliyor -- Sanal Makine ekranının üzerine fare işleticisi geldiğinde gerçekleştirdiğiniz tüm fare eylemleri doğrudan misafiri IS'ne

berkay@berkay-VirtualBox: ~/Masaüstü

```
berkay@berkay-VirtualBox:~/Masaüstü$ dos2unix sample_udr.txt
dos2unix: converting file sample_udr.txt to Unix format...
berkay@berkay-VirtualBox:~/Masaüstü$ sed '/./[H;S;d];x;/905552171251/id' sample_udr.txt > 905552171251.udr
berkay@berkay-VirtualBox:~/Masaüstü$
```

905552171251.udr

```
1
2 P1
3 7,5:0.
4 ,7:99
5 10,9:12/905552171251
6 ,10:1
7 ,14:1001
8 11,9:15/286038500009015
9 ,10:60
10 15,9:5/72402
11 ,10:1
12 ,11:1
13 ,14:256
14 16,87:1
15 17,9:12/905552116244
16 ,10:1
17 ,11:1
18 32,89:5/BRARN
19 36,59:90110673
20 ,61:27
21 ,62:69513803206
22 ,65:6712
23 65,14:1001
24 ,83:2/90
25 99,64:1
26 107,163:1
27 115,173:3/FIH
28 ,174:0
29 ,175:500
30 ,179:0
31 ,180:0
32 118,1:20170615210003
33 ,2:10800
34 289,452:15/CONTR0013902478
35 P2
36 1,64:1
37 ,70:V
```

Düz Metin Etiket Genişliği: 8 Sat 1, Süt 1