Oracel VM Server

Assignment -1

SUBMITTED BY: **SUBMITTED TO:**

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SAP ID - 500086400

Enrollment no - R200220083

```
root@Ayush500086400:~# ls
animal.sh    Downloads                          file2.txt   Music       outfile      Public
Desktop      embedded-browser-no-sandbox.json   hlw.sh      newfile.txt Pictures     Templates
Documents    extra                              hlw.txt     od.sh       project.sh   Videos
root@Ayush500086400:~# ls -l
total 68
--wx--x--x 1 root root  256 Aug 31 13:09 animal.sh
drwxr-xr-x 3 root root 4096 Feb 19 07:48 Desktop
drwxr-xr-x 2 root root 4096 Feb 21  2022 Documents
drwxr-xr-x 2 root root 4096 May 16  2022 Downloads
-rwxr-xr-x 1 root root  160 Sep 16  2021 embedded-browser-no-sandbox.json
lrwxrwxrwx 1 root root    5 Oct  7 03:26 extra -> extra
-rw-r--r-- 1 root root   84 Feb 19 08:57 file2.txt
-rw-r--r-- 1 root root   20 Nov 10 23:02 hlw.sh
-rw-r--r-- 1 root root   17 Nov 10 23:02 hlw.txt
drwxr-xr-x 2 root root 4096 Feb 21  2022 Music
-rw-r--r-- 1 root root   71 Feb 19 08:56 newfile.txt
-rw-r--r-- 1 root root  141 Nov 10 23:05 od.sh
-rw-r--r-- 1 root root   22 Oct  7 03:03 outfile
drwxr-xr-x 2 root root 4096 Nov 25 04:54 Pictures
-rw-r--r-- 1 root root  607 Nov 24 23:51 project.sh
drwxr-xr-x 2 root root 4096 Feb 21  2022 Public
drwxr-xr-x 2 root root 4096 Feb 21  2022 Templates
drwxr-xr-x 2 root root 4096 Feb 21  2022 Videos
root@Ayush500086400:~# ls -la
total 180
drwx------ 22 root root 4096 Feb 19 08:57 .
drwxr-xr-x 19 root root 4096 Oct 10 06:38 ..
--wx--x--x  1 root root  256 Aug 31 13:09 animal.sh
-rw-------  1 root root 7114 Feb 19 07:11 .bash_history
-rw-r--r--  1 root root  774 Feb 21  2022 .bashrc
drwx------  6 root root 4096 Feb 24  2022 .BurpSuite
drwx------ 12 root root 4096 Sep  6 01:09 .cache
drwx------ 22 root root 4096 Oct 27 11:44 .config
drwx------  3 root root 4096 Mar  8  2022 .dbus
drwxr-xr-x  3 root root 4096 Feb 19 07:48 Desktop
drwxr-xr-x  2 root root 4096 Feb 21  2022 Documents
drwxr-xr-x  2 root root 4096 May 16  2022 Downloads
-rwxr-xr-x  1 root root  160 Sep 16  2021 embedded-browser-no-sandbox.json
lrwxrwxrwx  1 root root    5 Oct  7 03:26 extra -> extra
```

```
root@Ayush500086400:~# cd Desktop/
root@Ayush500086400:~/Desktop# cd
root@Ayush500086400:~# pwd
/root
root@Ayush500086400:~# mkdir dir
root@Ayush500086400:~# touch file2
root@Ayush500086400:~# rm file2
root@Ayush500086400:~# touch file1
```

```
root@Ayush500086400:~# mkdir dir2
root@Ayush500086400:~# rm -rf dir2
root@Ayush500086400:~# touch file3
```

```
root@Ayush500086400:~# mkdir dir2
root@Ayush500086400:~# rm -rf dir2
root@Ayush500086400:~# touch file3
root@Ayush500086400:~# vi file4
root@Ayush500086400:~# touch file4
root@Ayush500086400:~# nano file4
root@Ayush500086400:~# cp file4 file3
root@Ayush500086400:~# mv file4 hello_file
root@Ayush500086400:~# mkdir dir3
root@Ayush500086400:~# mv file3 dir3/renamed-file
root@Ayush500086400:~# ls
animal.sh  Documents                      file2.txt   Music        Pictures    Videos
Desktop    Downloads                      hello_file  newfile.txt  project.sh
dir        embedded-browser-no-sandbox.json  hlw.sh   od.sh        Public
dir3       extra                          hlw.txt     outfile      Templates
root@Ayush500086400:~# cat hello_file
ksjbaflibalsriufibalsirbfblsaiurbfliasbf
root@Ayush500086400:~# cd dir3
root@Ayush500086400:~/dir3# ls
renamed-file
root@Ayush500086400:~/dir3# cat renamed-file
ksjbaflibalsriufibalsirbfblsaiurbfliasbf
```

```
root@Ayush500086400:~/dir3# cat renamed-file
ksjbaflibalsriufibalsirbfblsaiurbfliasbf
root@Ayush500086400:~/dir3# cat >> file5
khjasbkfjbakfubaskj sjgf kajsgk uyasgrkufgaksjerg fku^C
root@Ayush500086400:~/dir3# tail -f file5
this is file no. file
majshebfjhsa^C
root@Ayush500086400:~/dir3# ping google.com
PING google.com (142.250.194.78) 56(84) bytes of data.
64 bytes from del12s03-in-f14.1e100.net (142.250.194.78): icmp_seq=1 ttl=128 time=10.1 ms
64 bytes from del12s03-in-f14.1e100.net (142.250.194.78): icmp_seq=2 ttl=128 time=11.1 ms
64 bytes from del12s03-in-f14.1e100.net (142.250.194.78): icmp_seq=3 ttl=128 time=18.9 ms
64 bytes from del12s03-in-f14.1e100.net (142.250.194.78): icmp_seq=4 ttl=128 time=15.3 ms
^C
--- google.com ping statistics ---
4 packets transmitted, 4 received, 0% packet loss, time 3021ms
rtt min/avg/max/mdev = 10.055/13.837/18.946/3.535 ms
root@Ayush500086400:~/dir3# whois google.com
   Domain Name: GOOGLE.COM
   Registry Domain ID: 2138514_DOMAIN_COM-VRSN
   Registrar WHOIS Server: whois.markmonitor.com
   Registrar URL: http://www.markmonitor.com
   Updated Date: 2019-09-09T15:39:04Z
   Creation Date: 1997-09-15T04:00:00Z
   Registry Expiry Date: 2028-09-14T04:00:00Z
   Registrar: MarkMonitor Inc.
```

```
root@Ayush500086400:~/dir3# dig google.com

; <<>> DiG 9.18.0-2-Debian <<>> google.com
;; global options: +cmd
;; Got answer:
;; ->>HEADER<<- opcode: QUERY, status: NOERROR, id: 15526
;; flags: qr rd ra; QUERY: 1, ANSWER: 1, AUTHORITY: 4, ADDITIONAL: 4

;; QUESTION SECTION:
;google.com.                    IN      A

;; ANSWER SECTION:
google.com.             5       IN      A       142.250.192.174

;; AUTHORITY SECTION:
google.com.             5       IN      NS      ns1.google.com.
google.com.             5       IN      NS      ns4.google.com.
google.com.             5       IN      NS      ns3.google.com.
google.com.             5       IN      NS      ns2.google.com.

;; ADDITIONAL SECTION:
ns1.google.com.         5       IN      A       216.239.32.10
ns4.google.com.         5       IN      A       216.239.38.10
ns3.google.com.         5       IN      A       216.239.36.10
ns2.google.com.         5       IN      A       216.239.34.10
```

```
root@Ayush500086400:~/dir3# wget -r http://192.168.56.102/bodgeit/
--2023-02-19 09:36:00--  http://192.168.56.102/bodgeit/
Connecting to 192.168.56.102:80... ^C
root@Ayush500086400:~/dir3# wget -r https://www.google.com
--2023-02-19 09:36:34--  https://www.google.com/
Resolving www.google.com (www.google.com)... 142.250.77.228, 2404:6800:4002:807::2004
Connecting to www.google.com (www.google.com)|142.250.77.228|:443... connected.
HTTP request sent, awaiting response... 200 OK
Length: unspecified [text/html]
Saving to: 'www.google.com/index.html'

www.google.com/index.ht    [ <=>                                ] 17.48K  --.-KB/s    in 0s

2023-02-19 09:36:35 (171 MB/s) - 'www.google.com/index.html' saved [17900]

Loading robots.txt; please ignore errors.
--2023-02-19 09:36:35--  https://www.google.com/robots.txt
Reusing existing connection to www.google.com:443.
HTTP request sent, awaiting response... 200 OK
Length: 7240 (7.1K) [text/plain]
Saving to: 'www.google.com/robots.txt'
```

```
root@Ayush500086400:~/dir3# curl https://www.google.com
<!doctype html><html itemscope="" itemtype="http://schema.org/WebPage" lang="en-IN"><head><m
a content="text/html; charset=UTF-8" http-equiv="Content-Type"><meta content="/images/brandi
/googleg/1x/googleg_standard_color_128dp.png" itemprop="image"><title>Google</title><script
nce="y9b4XZA73k1t0gLrJo0knw">(function(){window.google={kEI:'OkLyY6TGLf_g2roP09y8sAU',kEXPI:
,1359409,1709,4350,206,4804,2316,383,246,5,1129120,1612,1196110,380769,16114,28684,22431,136
12316,17583,4998,13228,3847,38444,1594,1278,2891,1103,2826,7825,606,29843,27342,1654,1851,15
6,3,346,230,1014,1,5445,148,11323,2652,4,1528,2304,27348,1714,13063,13660,4437,9358,7428,580
2548,4094,17,7579,1,42154,2,14022,2715,3533,19491,5679,1020,31123,4567,6259,23418,1246,5841,
968,4332,8,7476,445,2,2,1,24626,2006,8155,7381,2,15967,874,7829,11804,7,1922,5784,3995,21390
89,14375,6305,2007,18192,927,19209,14,82,4641,8692,1377,5496,1622,1779,2224,930,1,1821,3787,
79,2425,4069,3847,2,566,988,3030,427,846,4355,483,1410,20,3,867,136,104,2445,4720,1262,42,50
6352,1201,181,26,469,1150,1088,5,442,1206,109,681,312,134,450,407,147,2,4009,2,2144,495,690,
60,949,2,3,17,2,3,220,923,353,5636,4,34,212,2,375,265,1126,193,2033,78,2754,1,2055,278,418,9
509,91,306,758,475,86,38,694,3,34,1150,186,475,352,842,133,87,104,149,149,118,642,719,162,36
177,35,56,213,127,643,181,1229,696,243,93,1680,6,244,2,10,3,1,8,318,1043,132,2,1652,732,452,
435,145,759,238,198,294,224,4,4,20,250,4,127,760,30,28,1425,909,1293,658,2091,5243221,137,49
09,40,8798843,3311,141,795,19735,1,1,346,4176,180,18,4,5,3,23,20726092,2920792,299191,397,27
771,91859,1180116,1964,14298,2375,2893,512,5738,11103,2855',kBL:'Xt94'};google.sn='webhp';go
le.kHL='en-IN';})();(function(){
var f=this||self;var h,k=[];function l(a){for(var b;a&&(!a.getAttribute||!(b=a.getAttribute(
id")));)a=a.parentNode;return b||h}function m(a){for(var b=null;a&&(!a.getAttribute||!(b=a.g
Attribute("leid")));)a=a.parentNode;return b}
function n(a,b,c,d,g){var e="";c||-1!==b.search("&ei=")||(e="&ei="+l(d),-1===b.search("&lei=
&&(d=m(d))&&(e+="&lei="+d));d="";!c&&f._cshid&&-1===b.search("&cshid=")&&"slh"!==a&&(d="&csh
="+f._cshid);c=c||"/"+(g||"gen_204")+"?atyp=i&ct="+a+"&cad="+b+e+"&zx="+Date.now()+d;/^http:
```

```
root@Ayush500086400:~/dir3# ps
  PID TTY          TIME CMD
 1771 pts/0    00:00:00 bash
 2249 pts/0    00:00:00 ps
root@Ayush500086400:~/dir3# ps aux
USER        PID %CPU %MEM    VSZ   RSS TTY      STAT START   TIME COMMAND
root          1  0.0  0.2 100672 11328 ?        Ss   08:00   0:01 /sbin/init splash
root          2  0.0  0.0      0     0 ?        S    08:00   0:00 [kthreadd]
root          3  0.0  0.0      0     0 ?        I<   08:00   0:00 [rcu_gp]
root          4  0.0  0.0      0     0 ?        I<   08:00   0:00 [rcu_par_gp]
root          6  0.0  0.0      0     0 ?        I<   08:00   0:00 [kworker/0:0H-events_highpr
root          9  0.0  0.0      0     0 ?        I<   08:00   0:00 [mm_percpu_wq]
root         10  0.0  0.0      0     0 ?        S    08:00   0:00 [rcu_tasks_rude_]
root         11  0.0  0.0      0     0 ?        S    08:00   0:00 [rcu_tasks_trace]
root         12  0.0  0.0      0     0 ?        S    08:00   0:00 [ksoftirqd/0]
root         13  0.0  0.0      0     0 ?        I    08:00   0:00 [rcu_sched]
root         14  0.0  0.0      0     0 ?        S    08:00   0:00 [migration/0]
```

```
root@Ayush500086400:~/dir3# cd
root@Ayush500086400:~# sleep 100
^Z
[1]+  Stopped                 sleep 100
root@Ayush500086400:~# sleep 1
root@Ayush500086400:~# fg
sleep 100
^Z
[1]+  Stopped                 sleep 100
root@Ayush500086400:~# ps
    PID TTY          TIME CMD
   1771 pts/0    00:00:00 bash
   2260 pts/0    00:00:00 sleep
   2307 pts/0    00:00:00 ps
root@Ayush500086400:~# kill 2260
root@Ayush500086400:~#
```

```
root@Ayush500086400:~# date
Sun Feb 19 09:41:34 AM CST 2023
root@Ayush500086400:~# uptime
 09:41:36 up  1:40,  1 user,  load average: 0.15, 0.15, 0.
root@Ayush500086400:~# whoami
root
root@Ayush500086400:~#
```

```
root@Ayush500086400:~# cat /proc/cpuinfo
processor       : 0
vendor_id       : GenuineIntel
cpu family      : 6
model           : 142
model name      : Intel(R) Core(TM) i5-10210U CPU @ 1.60GHz
stepping        : 12
microcode       : 0xd6
cpu MHz         : 2112.004
cache size      : 6144 KB
physical id     : 0
siblings        : 1
core id         : 0
cpu cores       : 1
apicid          : 0
initial apicid  : 0
fpu             : yes
fpu_exception   : yes
cpuid level     : 22
wp              : yes
flags           : fpu vme de pse tsc msr pae mce cx8 apic sep mtrr pge mca cmov pat pse36 clfl
ush mmx fxsr sse sse2 ss syscall nx pdpe1gb rdtscp lm constant_tsc arch_perfmon nopl xtopology
 tsc_reliable nonstop_tsc cpuid tsc_known_freq pni pclmulqdq ssse3 fma cx16 pcid sse4_1 sse4_2
 x2apic movbe popcnt tsc_deadline_timer aes xsave avx f16c rdrand hypervisor lahf_lm abm 3dnow
prefetch cpuid_fault invpcid_single ssbd ibrs ibpb stibp ibrs_enhanced fsgsbase tsc_adjust bmi
1 avx2 smep bmi2 invpcid rdseed adx smap clflushopt xsaveopt xsavec xgetbv1 xsaves arat md_cle
ar flush_l1d arch_capabilities
bugs            : spectre_v1 spectre_v2 spec_store_bypass swapgs itlb_multihit srbds
bogomips        : 4224.00
clflush size    : 64
cache_alignment : 64
address sizes   : 45 bits physical, 48 bits virtual
power management:

processor       : 1
vendor_id       : GenuineIntel
cpu family      : 6
```

```
root@Ayush500086400:~# cat /proc/meminfo
MemTotal:        3989212 kB
MemFree:         2410656 kB
MemAvailable:    2813932 kB
Buffers:           61276 kB
Cached:           536060 kB
SwapCached:            0 kB
Active:           341372 kB
Inactive:         919892 kB
Active(anon):       1164 kB
Inactive(anon):   676068 kB
Active(file):     340208 kB
Inactive(file):   243824 kB
Unevictable:           0 kB
Mlocked:               0 kB
SwapTotal:        997372 kB
SwapFree:         997372 kB
Dirty:                 4 kB
Writeback:             0 kB
AnonPages:        661904 kB
Mapped:           238876 kB
Shmem:             13304 kB
KReclaimable:      47440 kB
Slab:              96704 kB
SReclaimable:      47440 kB
```

```
root@Ayush500086400:~# free
              total        used        free      shared  buff/cache   available
Mem:        3989212      933780     2410656       13304      644776     2813932
Swap:        997372           0      997372
root@Ayush500086400:~# du
4       ./Downloads
4       ./Documents
12      ./.BurpSuite/burpbrowser/96.0.4664.45/gen/components/payments/mojom
16      ./.BurpSuite/burpbrowser/96.0.4664.45/gen/components/payments
20      ./.BurpSuite/burpbrowser/96.0.4664.45/gen/components
8       ./.BurpSuite/burpbrowser/96.0.4664.45/gen/device/bluetooth/public/mojom
12      ./.BurpSuite/burpbrowser/96.0.4664.45/gen/device/bluetooth/public
16      ./.BurpSuite/burpbrowser/96.0.4664.45/gen/device/bluetooth
20      ./.BurpSuite/burpbrowser/96.0.4664.45/gen/device
20      ./.BurpSuite/burpbrowser/96.0.4664.45/gen/third_party/blink/public/mojom/usb
28      ./.BurpSuite/burpbrowser/96.0.4664.45/gen/third_party/blink/public/mojom/content_index
28      ./.BurpSuite/burpbrowser/96.0.4664.45/gen/third_party/blink/public/mojom/serial
20      ./.BurpSuite/burpbrowser/96.0.4664.45/gen/third_party/blink/public/mojom/idle
12      ./.BurpSuite/burpbrowser/96.0.4664.45/gen/third_party/blink/public/mojom/sms
16      ./.BurpSuite/burpbrowser/96.0.4664.45/gen/third_party/blink/public/mojom/contacts
128     ./.BurpSuite/burpbrowser/96.0.4664.45/gen/third_party/blink/public/mojom
132     ./.BurpSuite/burpbrowser/96.0.4664.45/gen/third_party/blink/public
136     ./.BurpSuite/burpbrowser/96.0.4664.45/gen/third_party/blink
140     ./.BurpSuite/burpbrowser/96.0.4664.45/gen/third_party
16      ./.BurpSuite/burpbrowser/96.0.4664.45/gen/skia/public/mojom
20      ./.BurpSuite/burpbrowser/96.0.4664.45/gen/skia/public
24      ./.BurpSuite/burpbrowser/96.0.4664.45/gen/skia
16      ./.BurpSuite/burpbrowser/96.0.4664.45/gen/gpu/ipc/common
```

```
root@Ayush500086400:~# du -sh
494M     .
root@Ayush500086400:~# df
Filesystem      1K-blocks      Used Available Use% Mounted on
udev             1951052         0   1951052   0% /dev
tmpfs             398924      1416    397508   1% /run
/dev/sda1       82394960  12768936  66097980  17% /
tmpfs            1994604         0   1994604   0% /dev/shm
tmpfs               5120         0      5120   0% /run/lock
tmpfs             398920        44    398876   1% /run/user/0
root@Ayush500086400:~# uname -a
Linux Ayush500086400 5.15.0-kali3-amd64 #1 SMP Debian 5.15.15-2kali1 (2022-01
inux
root@Ayush500086400:~#
```