Name: Aaditya Ganesh Sutar

Form No: 240612558

Centre: JUHU

Section 1:

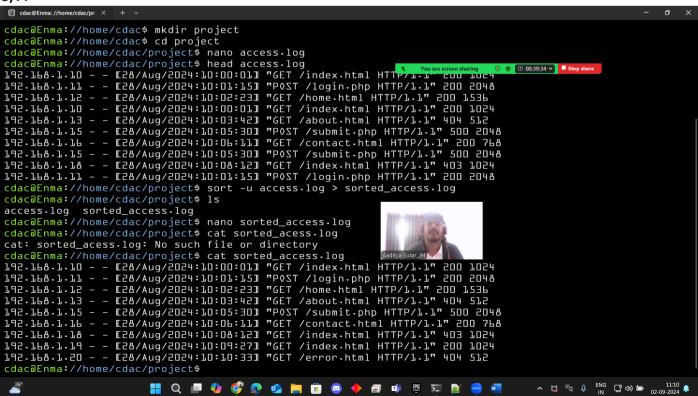
Question 1:

O/P:

```
cdac@Enma: //home/cdac/pr
       lib32 media
                                root srv
                                               var
cdac@Enma://≒ cd home
cdac@Enma://home$ ls
cdac@Enma://home$ cd cdac
cdac@Enma://home/cdac$ mkdir project
cdac@Enma://home/cdac∍ cd project
cdac@Enma://home/cdac/project$ nano access.log
cdacaEnma://home/cdac/project+ head access.log
lg2.lb8.l.lo - E28/Aug/2024:lo:00:0ll "GET /index.html HTTP/l.l" 200 l024
lg2.lb8.l.ll - E28/Aug/2024:lo:0l:ls "POST /login.php HTTP/l.l" 200 2048
lg2.lb8.l.lc - E28/Aug/2024:lo:02:231 "GET /home.html HTTP/l.l" 200 l53b
lg2.lb8.l.lc - E28/Aug/2024:lo:00:0ll "GET /index.html HTTP/l.l" 200 l034
                     E28/Aug/2024:10:03:421 "GET /about.html HTTP/1.1" 404 512
192-168-1-13
                     192.168.1.15
192.168.1.16
192.168.1.15
192.168.1.18
                     E28/Aug/2024:10:01:151 "P0ST /login.php HTTP/1.1" 200 2048
192.168.1.11
cdac@Enma://home/cdac/project$
                                                                                                    🔡 Q, 🔲 🥠 🥳 💀 💁 🛅 🔠 💿 🔶 👼 💣 👺 🖂 🔞 😁 🚾 💮 ^ 너 즉 👂 🙌 다 다 이 🖫 🕞
```

Question 2:

O/P:



Question 3:

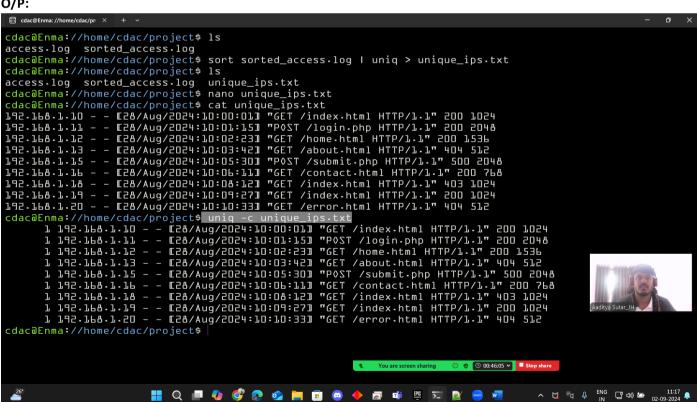
O/P:

```
    cdac@Enma: //home/cdac/pr ×

cdac@Enma://home/cdac/project$ ls
access.log sorted_access.log
cdac@Enma://home/cdac/project$ sort sorted_access.log | uniq > unique_ips.txt
cdac@Enma://home/cdac/project$ ls
L92.168.1.13 - - E28/Aug/2024:10:03:42] "GET /about.html HTTP/1.1" 404 512
192.168.1.15 - - E28/Aug/2024:10:05:30] "POST /submit.php HTTP/1.1" 500 2048
192.168.1.16 - - E28/Aug/2024:10:06:11] "GET /contact.html HTTP/1.1" 200 768
192.168.1.16 - - E28/Aug/2024:10:08:12] "GET /index.html HTTP/1.1" 403 1024
192.168.1.19 - E28/Aug/2024:10:09:27] "GET /index.html HTTP/1.1" 200 1024
192.168.1.20 - - E28/Aug/2024:10:10:10:33] "GET /error.html HTTP/1.1" 404 512
cdac@Enma://home/cdac/project$
                                                                                                                        ⊙ 😻 💿 00:44:01 🗸 🗖 Stop sh
                                                                                                                                                 ^ 📜 👨 🔑 ENG 📮 Φ) 🕭 11:15 💂
                                       🔡 Q 🔎 🕼 🥳 🙆 🛅 🔠 🙃 🔶 👼 🖷 🐯 🖂
```

Question 4:

O/P:



Question 5:

O/P:

```
② 00:48:27 ∨ Stop share
L92.lb8.l.20 - - E28/Aug/2024:l0:l0:33] "GET /error.html HTTP/l.l" 404 5l2

cdac@Enma://home/cdac/project$ uniq -c unique_ips.txt

l l92.lb8.l.l0 - - E28/Aug/2024:l0:00:0ll] "GET /index.html HTTP/l.l" 200 l024

l l92.lb8.l.ll - E28/Aug/2024:l0:0l:l51 "POST /login.php HTTP/l.l" 200 2048

l l92.lb8.l.l2 - E28/Aug/2024:l0:03:42] "GET /home.html HTTP/l.l" 200 l53b

l l92.lb8.l.l3 - E28/Aug/2024:l0:03:42] "GET /about.html HTTP/l.l" 404 5l2

l l92.lb8.l.l5 - E28/Aug/2024:l0:05:30] "POST /submit.php HTTP/l.l" 500 2048

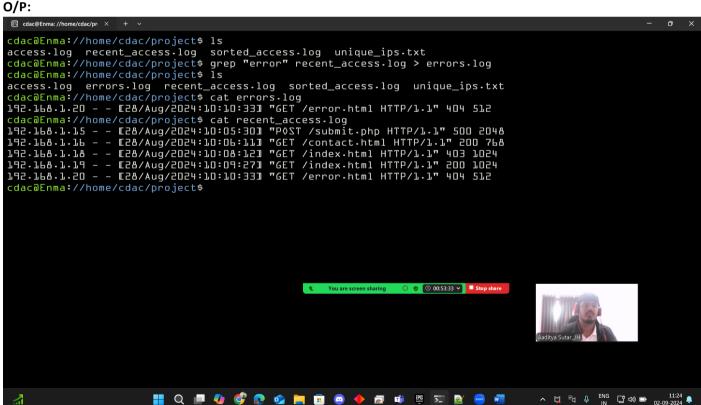
l l92.lb8.l.l6 - E28/Aug/2024:l0:06:ll] "GET /contact.html HTTP/l.l" 200 7b8

l l92.lb8.l.l8 - E28/Aug/2024:l0:08:l2] "GET /index.html HTTP/l.l" 403 l024

l l92.lb8.l.l9 - E28/Aug/2024:l0:09:27] "GET /index.html HTTP/l.l" 200 l024

l l92.lb8.l.l9 - E28/Aug/2024:l0:l03:33] "GET /error.html HTTP/l.l" 404 5l2
 cdac@Enma://home/cdac/project$ tail -5 sorted_access.log | recent_access.log
 recent_access.log: command not found
 cdac@Enma://home/cdac/project$ tail -5 sorted_access.log > recent_access.log
  cdac@Enma://home/cdac/project$ cat recent_access.log
Cdaculthma://nome/cdac/projects cat recent_access.log
192.168.1.15 - - E28/Aug/2024:10:05:301 "POST /submit.php HTTP/1.1" 500 2048
192.168.1.16 - - E28/Aug/2024:10:06:111 "GET /contact.html HTTP/1.1" 200 768
192.168.1.18 - - E28/Aug/2024:10:08:121 "GET /index.html HTTP/1.1" 403 1024
192.168.1.19 - - E28/Aug/2024:10:09:271 "GET /index.html HTTP/1.1" 200 1024
192.168.1.20 - - E28/Aug/2024:10:10:331 "GET /error.html HTTP/1.1" 404 512
 cdac@Enma://home/cdac/project$
                                                                                                                                                                                                                            ^ ☑ □ 0 ENG □ 0) → 11:19 • 02-09-2024 •
                                                            🔡 Q 🔎 🕼 🧳 🧟 💁 🔚 🗊 🐵 🔶 👼 🕸 👺 🖂
```

Question 6:



Question 7:

O/P:

```
cdac@Enma://home/cdac/project$ ls
access.log recent_access.log sorted_access.log unique_ips.txt

cdacdEnma://home/cdac/bro.ject$ grep "error" recent_access.log > errors.log
cdac@Enma://home/
access.log errors.log recent_access.log sorted_access.log unique_ips.t.cdac@Enma://home/cdac/project$ cat errors.log
192.168.1.20 - - E28/Aug/2024:10:10:331 "GET /error.html HTTP/1.1" 404 512
                                                                                                                    sorted_access.log unique_ips.txt
L92.L68.L.2D - L28/Aug/2D24:LD:LD:33] "GET /error.html HTTP/L.L" 404 5L2 cdac@Enma://home/cdac/project$ cat recent_access.log 192.L68.L.15 - E28/Aug/2D24:LD:D5:30] "POST /submit.php HTTP/L.L" 500 2048 192.L68.L.16 - E28/Aug/2D24:LD:D6:LL1 "GET /contact.html HTTP/L.L" 200 768 192.L68.L.16 - E28/Aug/2D24:LD:D8:L2] "GET /index.html HTTP/L.L" 403 1024 192.L68.L.19 - E28/Aug/2D24:LD:D9:27] "GET /index.html HTTP/L.L" 200 1024 192.L68.L.20 - E28/Aug/2D24:LD:LD:33] "GET /error.html HTTP/L.L" 404 5L2 cdac@Enma://home/cdac/project$ head -5 errors.log 192.L68.L.2D - E28/Aug/2D24:LD:LD:33] "GET /error.html HTTP/L.L" 404 5L2 cdac@Enma://home/cdac/project$
cdac@Enma://home/cdac/project$
                                                             👭 Q 📭 🐠 🥰 🧟 🤹 🔚 🗊 🐵 🔶 👼 🕸 👺 🔀
                                                                                                                                                                                                                               ^ 💢 👨 ₽ ENG 🚅 Φ) 🗊 11:25 💂
   4
```

Question 8:

```
O/P:
 access.log recent_access.log sorted_access.log unique_ips.txt
cdac@Enma://home/cdac/project$ grep "error" recent_access.log > errors.log
cdac@Enma://home/<u>cdac/project$ ls</u>
 cdac@Enma://home/cdac/project$ js access.log / errors.log access.log errors.log lps.txt cdac@Enma://home/cdac/project$ cat errors.log lps.lb8.l.20 - E28/Aug/2024:l0:l0:331 "GET /error.html HTTP/l.l" 404 5l2
 L92.168.1.20 - L28/Aug/2024:10:10:331 "GET /error.html HTTP/1.1" 404 512 cdac@Enma://home/cdac/project$ cat recent_access.log
192.168.1.15 - E28/Aug/2024:10:05:301 "POST /submit.php HTTP/1.1" 500 2048
192.168.1.16 - E28/Aug/2024:10:06:111 "GET /contact.html HTTP/1.1" 200 768
192.168.1.16 - E28/Aug/2024:10:08:121 "GET /index.html HTTP/1.1" 403 1024
192.168.1.19 - E28/Aug/2024:10:09:271 "GET /index.html HTTP/1.1" 200 1024
192.168.1.20 - E28/Aug/2024:10:10:331 "GET /error.html HTTP/1.1" 404 512
 cdac@Enma://home/cdac/project$ head -5 errors.log
192.168.1.20 - - E28/Aug/2024:10:10:331 "GET /error.html HTTP/1.1" 404 512
 cdac@Enma://home/cdac/project$ chmod +a rw error.log
chmod: invalid mode: '+a'
 Try 'chmod --help' for more information.
cdac@Enma://home/cdac/project$ chmod a +rw error.log
 chmod: invalid mode: 'a'
 Try 'chmod --help' for more information.
 cdacaEnma://home/cdac/project$ chmod a+rw error.log
chmod: cannot access 'error.log': No such file or directory
 cdac@Enma://home/cdac/project$ chmod a+rw errors.log
 total 20
 -rw-r--r-- 1 cdac cdac 924 Sep 2 11:04 access.log
  -rw-rw-rw- l
                                                                    2 11:24 errors.log
 -rw-rw-rw- i cdac cdac 76 Sep
-rw-r--r- i cdac cdac 386 Sep
-rw-r--r- i cdac cdac 692 Sep
-rw-r--r- i cdac cdac 692 Sep
                                                                    2 11:19 recent_access.log
                                                                   2 ll:09 sorted_access.log
                                                                    2 ll:14 unique_ips.txt
 cdac@Enma://home/cdac/project$
                                                                                                                                                                            ^ ☑ = □ ↓ ENG ☐ Φ) → 11:28 ♣
                                                🔡 Q 🔎 🐠 🥩 🚱 🐽 🔚 🖪 🐵 🔶 📾 🕸 👺 🖂 🔞 😁
```

Question 9: O/P:

Question 10:

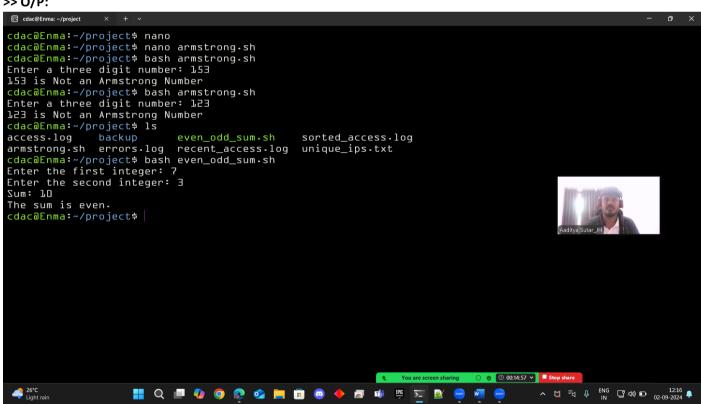
Section 2:

Question 1:

>> Script:

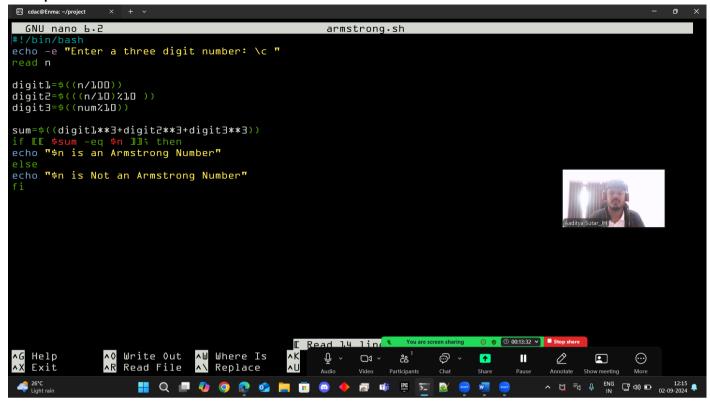
```
cdac@Enma: ~/project
 GNU nano 6.2
                                                            even_odd_sum.sh
echo -e "Enter the first integer: \c"
read nl
echo -e "Enter the second integer: \c"
read n2
sum=$((nl+n2))
if EE $sum\22 -eq 0 ]]; then echo "Sum: $sum" echo "The sum is even."
echo "Sum: $sum"
echo "The sum is odd."
                                                      E Read 16 lines 1
                                   ∧W Where Is
∧\ Replace
                 ^0 Write Out
^R Read File
                                                         Cut
Paste
                                                                                          ∧C Location M-U Undo
   Help
Exit
                                                                        ^T Execute
                                                                                              ◎ ③ 00:26:34 ▽ □ s
                                                                                                                 Redo
                                                                                                       ^ 💆 <sup>≡</sup>d ℚ <sup>ENG</sup> 🖫 dŵ) 🕞 12:28 💂
                            🔡 Q 🔎 🐠 🧐 🧟 🤷 🔚
```

>> O/P:



Question 2:

>>Script:



O/P:

