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Sec: CSE C

#### Questions:

1) Write a bash script to echo your name 25 times? ANS.

```
-(kali@kali)-[~]
s nano Smruti.sh
[~] (kali⊕ kali)-[~]

$ bash <u>Smruti.sh</u>
Enter your Name
Smruti
  -(kali⊗kali)-[~]
```

2) What command should I use to display the **first** 30 entries of syslog file?

ANS.

3) What command should I use to display the **last** 30 entries of syslog file?

ANS.

4) What command should I use to arrange the entries of a file?

#### i. Alphabetical

ANS.



```
(kali@kali)-[~]
s nano Fruits.txt
(kali@kali)-[~]
sort Fruits.txt
Alpino mangoes
Apples
Avocado
Cherries
Gauva
Goose berry
Grapes
Jackfruit
Kiwifruit
Leechi
Muskmelon
Oranges
Peach
Pineapple
Plum
Pomegranate
Sugarcane
Watermelon
```

ii. Reverse order ANS.

```
sort -r Fruits.txt
Watermelon
Sugarcane
Pomegranate
Plum
Pineapple
Peach
Oranges
Muskmelon
Leechi
Kiwifruit
Jackfruit
Grapes
Goose berry
Gauva
Cherries
Avocado
Apples
Alpino mangoes
```

```
(kali@ kali)-[~]

sort -r Numbers.txt

8

7

6

5

4

3

2

1

0

(kali@ kali)-[~]
```

iii. Numerical order ANS.

```
GNU nano 6.0

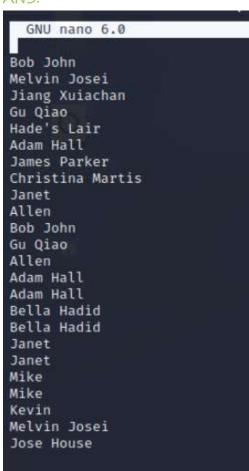
1
2
3
4
5
6
7
8
9
```

```
-(kali⊗kali)-[~]
nano <u>Numbers.txt</u>
(kali@kali)-[~]
sort Numbers.txt
1 2 3 4 5 6 7 8
[kali⊗kali)-[~]

sort -n Numbers.txt
234567
  —(kali⊛kali)-[~]
-$
```

5) Copee is a hard-working cop. He found a case and almost at the verge of cracking it. It could be his best breakthrough. He has the list of criminals but lots of duplicates are there. He needs to find the only one that is different. He sought your help. How will you sort this issue?

ANS.



```
—(kali®kali)-[~]
s nano Criminal list.txt
(kali@kali)-[~]
sort Criminal list.txt
Adam Hall
Adam Hall
Adam Hall
Allen
Allen
Bella Hadid
Bella Hadid
Bob John
Bob John
Christina Martis
Gu Qiao
Gu Qiao
Hade's Lair
James Parker
Janet
Janet
Janet
Jiang Xuiachan
Jose House
Kevin
Melvin Josei
Melvin Josei
Mike
Mike
```

```
-(kali⊕kali)-[~]
- sort Criminal list.txt | uniq
Adam Hall
Allen
Bella Hadid
Bob John
Christina Martis
Gu Qiao
Hade's Lair
James Parker
Jiang Xuiachan
Jose House
Kevin
Melvin Josei
Mike
  -(kali⊕kali)-[~]
```

#### 6) What are the Three parts of file's permission?

#### ANS.

Read (r): Allows to read a file.

Write (w): Allows to make changes to the content of the file.

Execute (x): Allows to use the file as a command.

```
# ls -l file
    rw-r--r-- 1 root root 0 Nov 19 23:49 file

Other(r--)
Group(r--)
Owner(rw-)

File type

    r = Readable
    w = Writeable
    x = Executable
    - = Denied

File type
```