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D1 - 19BCE245

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Practical 5

a) Write a shell script which imitates head command.

```
1. echo -n "Enter file name : "  
2. read file_name  
3.  
4. echo -n "Enter the number of lines : "  
5. read number  
6.  
7. #USE OF -n  
8. printf "\nFirst $number lines from file $file_name are : \n"  
9. head -n $number $file_name  
10.  
11. #USE OF -c  
12. printf "\nFirst $number bytes from file $file_name are :  
    \n"  
13. head -c $number $file_name  
14.  
15. #USE OF -q  
16. printf "\n\nFirst 10 lines from file $file_name are  
    [without showing file name] : \n"  
17. head -q $number $file_name  
18.  
19. #USE OF -v  
20. printf "\nFirst 10 lines from file $file_name are [with  
    showing file name]: \n"  
21. head -v $number $file_name
```

OUTPUT:

```
Enter file name : state.txt
Enter the number of lines : 5

First 5 lines from file state.txt are :
Andhra Pradesh
Arunachal Pradesh
Assam
Bihar
Chhattisgarh

First 5 bytes from file state.txt are :
Andhr
```

Run Ended | Exit Status 1 | Time 28 ms | Peak Memory 1.1M | Symbol ↕ | Tabs: 4 ↕ | 48 Characters

b) Write a shell script which imitates tail command.

```
1. echo -n "Enter file name : "
2. read file_name
3.
4. echo -n "Enter the number of lines : "
5. read number
6.
7. #USE OF -n
8. printf "\nLast $number lines from file $file_name are : \n"
9. tail -n $number $file_name
10.
11. #USE OF -c
12. printf "\nLast $number bytes from file $file_name are : \n"
13. tail -c $number $file_name
14.
15. #USE OF -q
16. printf "\n\nLast 10 lines from file $file_name are [without
    showing file name] : \n"
17. tail -q $number $file_name
```

```
18.#USE OF -v
19.printf "\nLast 10 lines from file $file_name are [with
    showing file name]: \n"
20.tail -v $number $file_name
```

OUTPUT:

```
Enter file name : state.txt
Enter the number of lines : 5

Last 5 lines from file state.txt are :
Telangana
Tripura
Uttar Pradesh
Uttarakhand
West Bengal

Last 5 bytes from file state.txt are :
engal
```

Run Ended | Exit Status 1 | Time 31 ms | Peak Memory 1.1M | Symbol | Tabs: 4 | Line 16, Column 11

state.txt file :

```
state.txt
Andhra Pradesh
Arunachal Pradesh
Assam
Bihar
Chhattisgarh
Goa
Gujarat
Haryana
Himachal Pradesh
Jammu and Kashmir
Jharkhand
Karnataka
Kerala
Madhya Pradesh
Maharashtra
Manipur
Meghalaya
Mizoram
Nagaland
Odisha
Punjab
Rajasthan
Sikkim
Tamil Nadu
Telangana
Tripura
Uttar Pradesh
Uttarakhand
West Bengal
```