Operating Systems.

CSE2005 LAB

LAB1

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Task:

- Make a file and write numbers from 1 to 100 in it.
- Read the contents of that file.
- Create a oddnumbers file and store the odd numbers of the 1st file into it.
- Create a evennumbers file and store the even numbers of the 2nd file into it.

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Codes.:

```
touch onetohundred.txt          #make a file named - onetohundred.txt
seq 1 100 > onetohundred.txt    #write numbers from 1 to 100 line wise into it.

touch test_even.txt             #create file for odd numbers
touch test_odd.txt              #create file for even numbers


cat onetohundred.txt | while read num
#read the file line by line and store each line in variable - num
do
        if [ `expr $num % 2`  == 1 ]  #check if num mod 2 = 1
        then
                echo $num >> test_odd.txt
                #if yes, write num to odd number file
        else
                echo $num >> test_even.txt
                #if no, write num to even number file
        fi
done
echo for 1 to 100 file:
head  onetohundred.txt
echo ----------------------
tail onetohundred.txt
echo =========================
echo for odd file: #Display the top amd bottom of odd_file for verification.
head test_odd.txt
echo --------------------------
tail test_odd.txt
echo ===========================
echo for even file:#Display the top and bottom of even_file for verification.
head test_even.txt
echo --------------------------
tail test_even.txt
echo ===========================

-- INSERT --                                   35,1          Bot
```

1 2 3 **4**   bimalp@bimal-virtual...   9:27

Output After execution.:

```
bimalp@bimal-virtualbox:~/Documents/Academic_files/OS$ ./just_test.sh
for 1 to 100 file:
1
2
3
4
5
6
7
8
9
10
---------------------
91
92
93
94
95
96
97
98
99
100
=========================
for odd file:
1
3
5
7
9
11
13
15
17
19
-------------------------
81
83
85
87
89
91
93
95
```

20BDS0405

```
97
99
==========================
for even file:
2
4
6
8
10
12
14
16
18
20
-------------------------
82
84
86
88
90
92
94
96
98
100
==========================
bimalp@bimal-virtualbox:~/Documents/Academic_files/OS$
```