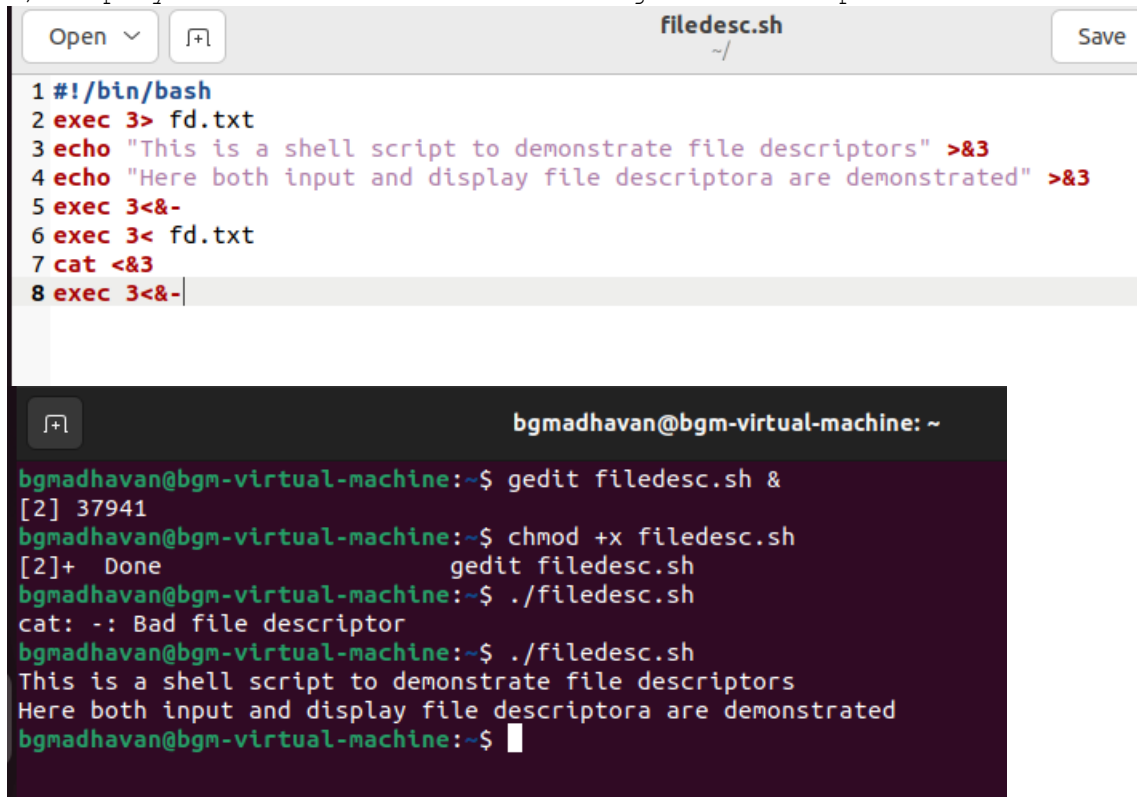


Using File Descriptors

- 1) Try to append few lines to a file test.txt using file descriptor.
- 2) Display the content of the file using file descriptor.



The image shows two windows. The top window is a gedit editor titled 'filedesc.sh' with a file icon and a 'Save' button. It contains a shell script with 8 lines of code. The bottom window is a terminal titled 'bgmadhavan@bgm-virtual-machine: ~' showing the execution of the script. The script uses file descriptor 3 to append to 'fd.txt' and then reads from it using 'cat'.

```
1 #!/bin/bash
2 exec 3> fd.txt
3 echo "This is a shell script to demonstrate file descriptors" >&3
4 echo "Here both input and display file descriptors are demonstrated" >&3
5 exec 3<&-
6 exec 3< fd.txt
7 cat <&3
8 exec 3<&-
```

```
bgmadhavan@bgm-virtual-machine:~$ gedit filedesc.sh &
[2] 37941
bgmadhavan@bgm-virtual-machine:~$ chmod +x filedesc.sh
[2]+  Done                  gedit filedesc.sh
bgmadhavan@bgm-virtual-machine:~$ ./filedesc.sh
cat: -: Bad file descriptor
bgmadhavan@bgm-virtual-machine:~$ ./filedesc.sh
This is a shell script to demonstrate file descriptors
Here both input and display file descriptors are demonstrated
bgmadhavan@bgm-virtual-machine:~$
```