MODULE 6

Exercise questions:

1. Create a file in a new directory using vi editor and ensure the filename doesn't exist already using shell commands.

```
@ imux@Lenovo:~/module6
linux@Lenovo:~$ ls
ems training
linux@Lenovo:~$ mkdir module6
linux@Lenovo:~$ is
ems module6 training
linux@Lenovo:~$ cd module6
linux@Lenovo:~/module6$ vi test_file
linux@Lenovo:~/module6$ vi test_file
linux@Lenovo:~/module6$ if [ -e file_name.txt ]; then echo "File already exists"; else touch file_name.txt; filinux@Lenovo:~/module6$ if [ -e file_name.txt ]; then echo "File already exists"; else touch file_name.txt; filinux@Lenovo:~/module6$ if [ -e file_name.txt ]; then echo "File already exists"; else touch file_name.txt; file already exists
linux@Lenovo:~/module6$ ls
file_name.txt test_file
linux@Lenovo:~/module6$
linux@Lenovo:~/module
```

2. Get the Absolute path and relative path of the file you created in Question 1.

```
linux@Lenovo:~/module6$
linux@Lenovo:~/module6$ ls
file_name.txt test_file
linux@Lenovo:~/module6$ pwd
/home/linux/module6
linux@Lenovo:~/module6$ realpath test_file
/home/linux/module6/test_file
linux@Lenovo:~/module6$
```

- 3. Select a random file and do the following:
 - a. Count the no. of lines, words in the file
 - b. Display the list 10 lines of a file
 - c. Display the entire file
 - d. Search a word 'X' in the entire file and display the lines with it



Xbox is a video gaming brand created and owned by Microsoft. The brand consists of five video game consoles, as well as applications (games), streaming service Xbox Clo ud Gaming, online services such as the Xbox network and Xbox Game Pass, and the development arm Xbox Game Studios. The brand was first introduced in the United States in November 2001, with the launch of the original Xbox console.

The original device was the first video game console offered by an American company after the Atari Jaguar stopped sales in 1996. It reached over 24 million units sold by May 2006.[1] Microsoft's second console, the Xbox 360, was released in 2005 and has sold 86 million units as of October 2021. The third console, the Xbox One, was re leased in November 2013 and has sold 51 million units.[2] The fourth line of Xbox consoles, the Xbox Series X and Series S, were released in November 2020. The head of Xbox is Phil Spencer, who succeeded former head Marc Whitten in late March 2014.[3][4]

When Sony Computer Entertainment first announced the PlayStation 2 in 1999, the company had positioned the console as a centerpiece for home entertainment, as it not on ly would play video games, but also could play audio CDs and video DVDs. Microsoft, whose business had been primarily in supporting the personal computer (PC) business with its Windows operating system, software, and games, saw the PlayStation 2 as a threat to the personal computer.[5]

Four engineers from Microsoft's DirectX team-Kevin Bachus, Seamus Blackley, Ted Hase and DirectX team leader Otto Berkes, began to envision what a Microsoft console to compete against the PlayStation 2 would be like. They designed a system that would use many hardware components in common with PCs, effectively running a version of Win dows and DirectX to power the games for their new system, differentiatin g itself from the custom hardware solutions of most consoles.[7][8] Numerous names were suggested for this console, including "Direct X Box",[9] and the "Windows Entert ainment Project".[10] Microsoft's marketing team conducted consumer surveys of the name, using the name "Xbox" as a control believing this would be least desirable, but found that this had the highest preference from their tests, and was selected as the name of the console.[11]

linux@Lenovo:~/module6\$
linux@Lenovo:~/module6\$
linux@Lenovo:~/module6\$ wc sample.txt
6 389 2399 sample.txt

Ilnux@Lenovo:~/moduleb≯

linux@Lenovo:~/module6\$ head sample.txt

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linux@Lenovo:~/module6\$

€ linux@Lenovo: ~/module6 Ð

inux@Lenovo:~/module6\$ grep 'X' sample.txt

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