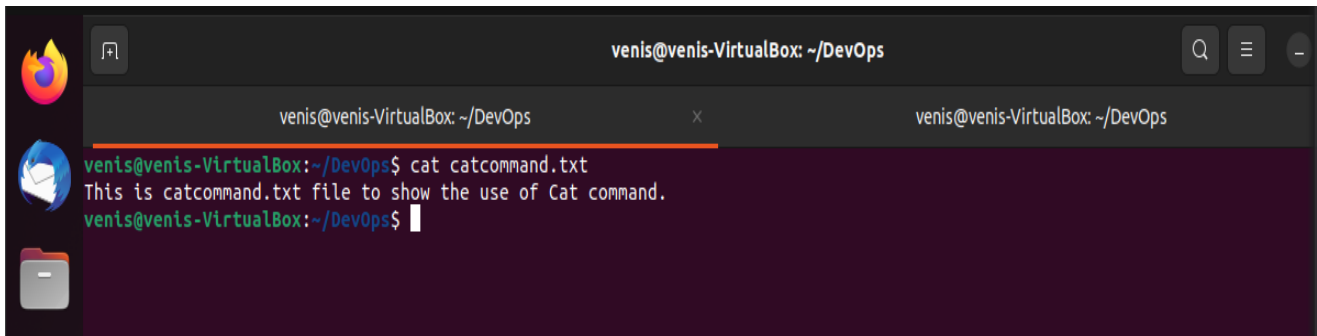# TASK 1

A. Task : Display the contents of a text file - Use commands like *cat* , *less* , or *more* to view the content of a text file. Describe the differences between these commands and identify scenarios where each is preferable.
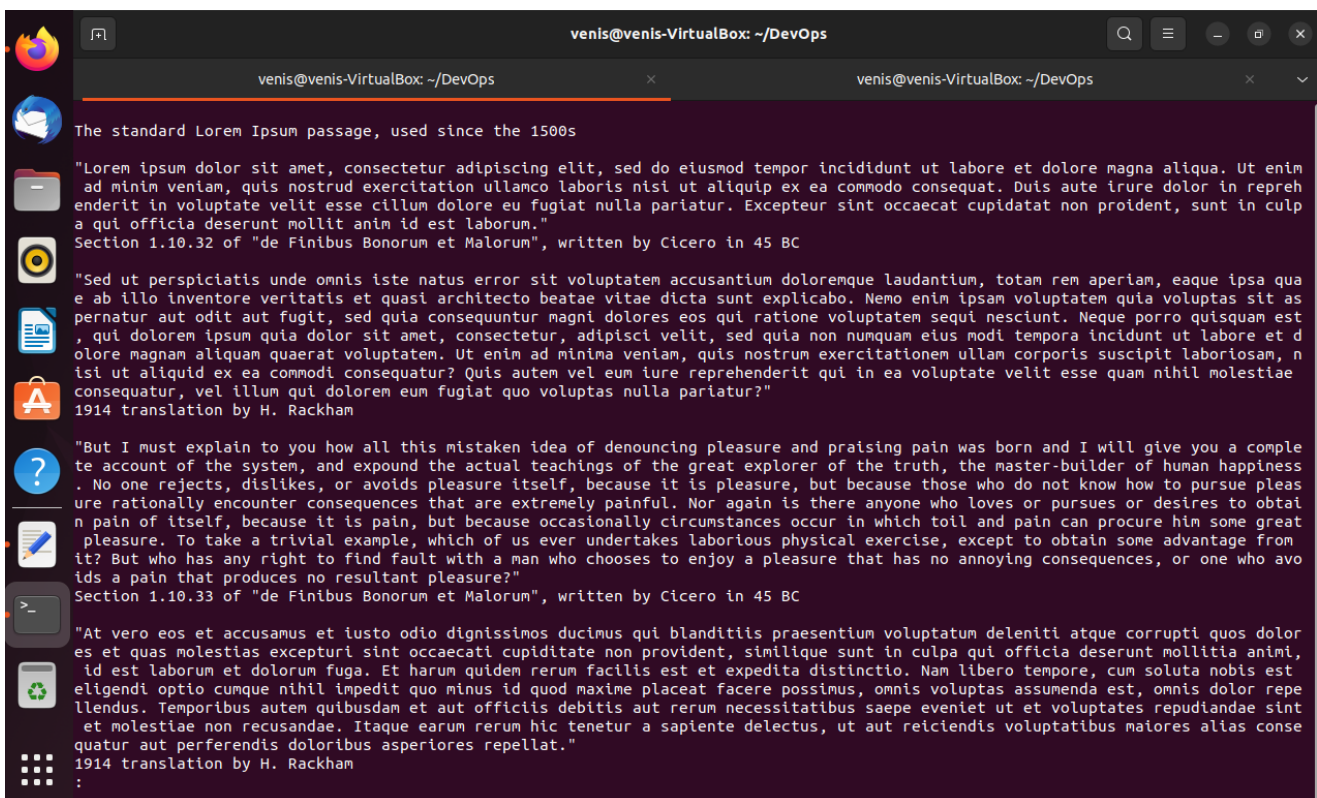
1. Cat : The cat command in Linux is used to concatenate and display the content of files. However, its primary purpose is to concatenate and display the content of files, but it can also be used to create new files, append content to existing files, and concatenate multiple files.

Use cases : 'Cat' command is used when we want to display small size files.
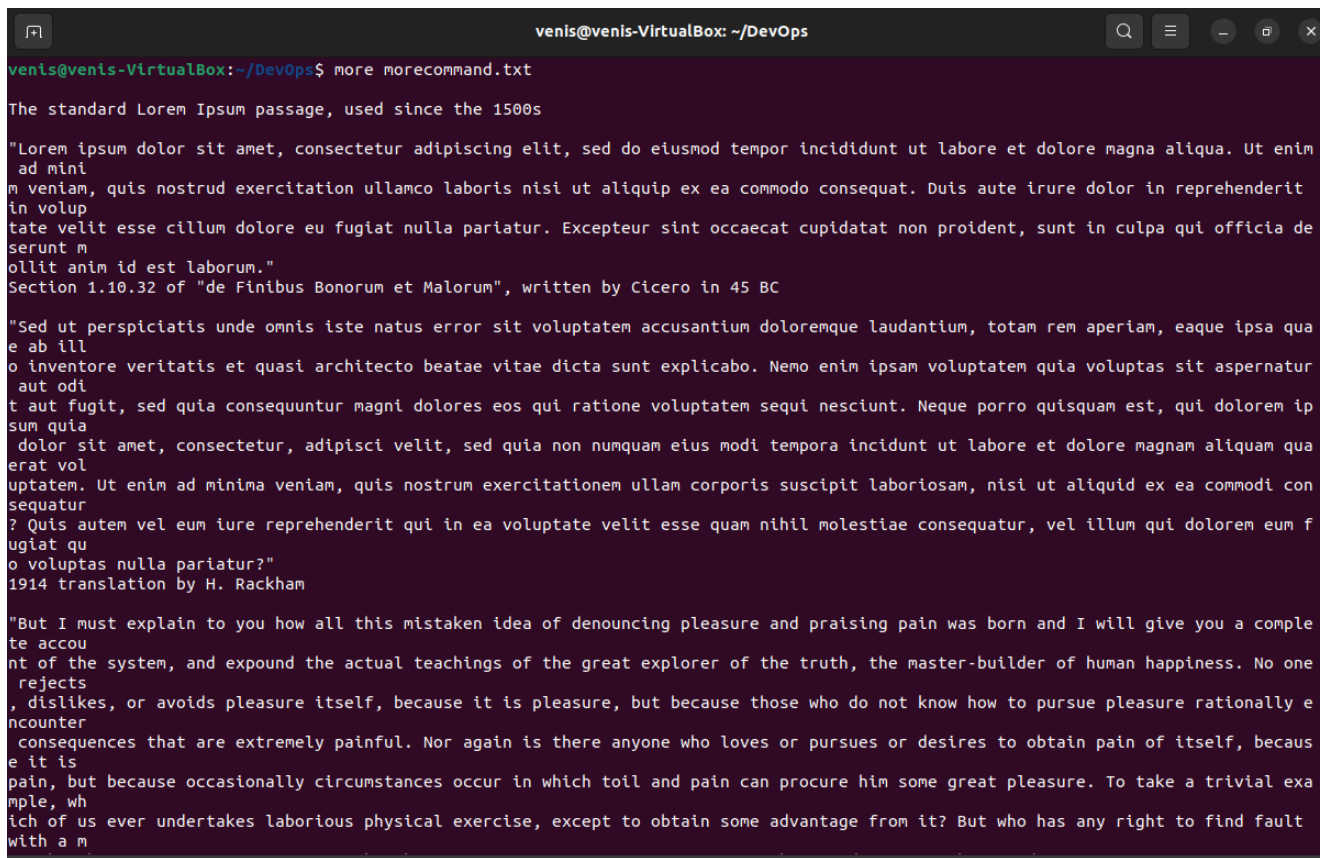
2. Less : It is used to view the contents of a text file one screen at a time .It provides a way to navigate through the file and search for specific content. Here are some basic uses of the less command .

Use Cases: *less* command is used for large files when you need to navigate interactively.

3. More : It is used to display the contents of a text file one screen at a time .


```
venis@venis-VirtualBox: ~/DevOps                                                            Q  ≡  _  □  ×

venis@venis-VirtualBox:~/DevOps$ more morecommand.txt

The standard Lorem Ipsum passage, used since the 1500s

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Section 1.10.32 of "de Finibus Bonorum et Malorum", written by Cicero in 45 BC

"Sed ut perspiciatis unde omnis iste natus error sit voluptatem accusantium doloremque laudantium, totam rem aperiam, eaque ipsa qua
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o voluptas nulla pariatur?"
1914 translation by H. Rackham

"But I must explain to you how all this mistaken idea of denouncing pleasure and praising pain was born and I will give you a comple
te accou
nt of the system, and expound the actual teachings of the great explorer of the truth, the master-builder of human happiness. No one
 rejects
, dislikes, or avoids pleasure itself, because it is pleasure, but because those who do not know how to pursue pleasure rationally e
ncounter
 consequences that are extremely painful. Nor again is there anyone who loves or pursues or desires to obtain pain of itself, becaus
e it is
pain, but because occasionally circumstances occur in which toil and pain can procure him some great pleasure. To take a trivial exa
mple, wh
ich of us ever undertakes laborious physical exercise, except to obtain some advantage from it? But who has any right to find fault
with a m
```

Use Cases : 'More' command is used to view text files in command prompt , displaying one screen at a time in case the file is large .

B. Task: Display a specific range of lines from a text file - Use the appropriate options with *Cat , sed* or *awk* to display a specific range of lines from a text file .

1.Cat : Cat command is used to display lines 5 through 8 from lesscommand.txt file .

```
venis@venis-VirtualBox:~/DevOps$ cat lesscommand.txt | head -n 8 | tail -n +5
Section 1.10.32 of "de Finibus Bonorum et Malorum", written by Cicero in 45 BC

"Sed ut perspiciatis unde omnis iste natus error sit voluptatem accusantium doloremque laudantium, totam rem aperiam, eaque ipsa qua
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consequatur, vel illum qui dolorem eum fugiat quo voluptas nulla pariatur?"
1914 translation by H. Rackham
venis@venis-VirtualBox:~/DevOps$
```

2.awk : awk is programming language for scanning pattern and text processing.
e.g., command for displaying lines from 2 to 5 from lesscommand.txt.

```
venis@venis-VirtualBox: ~/DevOps
venis@venis-VirtualBox:~/DevOps$ awk '2 <= NR && NR <= 5' lesscommand.txt
The standard Lorem Ipsum passage, used since the 1500s

"Lorem ipsum dolor sit amet, consectetur adipiscing elit, sed do eiusmod tempor incididunt ut labore et dolore magna aliqua. Ut enim
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enderit in voluptate velit esse cillum dolore eu fugiat nulla pariatur. Excepteur sint occaecat cupidatat non proident, sunt in culp
a qui officia deserunt mollit anim id est laborum."
Section 1.10.32 of "de Finibus Bonorum et Malorum", written by Cicero in 45 BC
venis@venis-VirtualBox:~/DevOps$
```

3.sed : sed is stream editor for filtering and transforming text.

e.g., command for displaying lines from 1 to 5 from lesscommand.txt.

```
venis@venis-VirtualBox: ~/DevOps
venis@venis-VirtualBox:~/DevOps$ sed -n '1,5p' lesscommand.txt

The standard Lorem Ipsum passage, used since the 1500s

"Lorem ipsum dolor sit amet, consectetur adipiscing elit, sed do eiusmod tempor incididunt ut labore et dolore magna aliqua. Ut enim
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enderit in voluptate velit esse cillum dolore eu fugiat nulla pariatur. Excepteur sint occaecat cupidatat non proident, sunt in culp
a qui officia deserunt mollit anim id est laborum."
Section 1.10.32 of "de Finibus Bonorum et Malorum", written by Cicero in 45 BC
venis@venis-VirtualBox:~/DevOps$
```