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## Practical -3

Aim: To perform and execute the Sort commands in UNIX/Linux commands

Commands:

1. To sort a file in ascending order:

```
lucien@DESKTOP-QQ2HK30:~/NEWFOLDER$ sort Practical3.txt
Despite his brutal methods, Eren remains a complex and beloved character in the Attack on Titan series.
Eren Yeager is a skilled warrior with the ability to transform into a Titan.
Eren's father was murdered by a Titan, fueling his desire for revenge.
He is a member of the Scout Regiment and vows to protect humanity from the Titans.
He possesses the Founding Titan, granting him control over the memories and actions of others.
```

2. To sort a file in descending order:

```
lucien@DESKTOP-QQ2HK30:~/NEWFOLDER$ sort -r Practical3.txt
He possesses the Founding Titan, granting him control over the memories and actions of others.
He is a member of the Scout Regiment and vows to protect humanity from the Titans.
Eren's father was murdered by a Titan, fueling his desire for revenge.
Eren Yeager is a skilled warrior with the ability to transform into a Titan.
Despite his brutal methods, Eren remains a complex and beloved character in the Attack on Titan series.
```

3. To sort a file based on a specific column:

```
lucien@DESKTOP-QQ2HK30:~/NEWFOLDER$ sort -k 2 Practical33.txt
GiantInflatableBanana 20
TickleMeElmo 30
WhoopeeCushion 40
FakeMustacheKit 70
InflatableTrexCostume 80
```

4. To sort a file based on the numeric value:

```
lucien@DESKTOP-QQ2HK30:~/NEWFOLDER$ sort -n Practical3.txt
Despite his brutal methods, Eren remains a complex and beloved character in the Attack on Titan series.
Eren Yeager is a skilled warrior with the ability to transform into a Titan.
Eren's father was murdered by a Titan, fueling his desire for revenge.
He is a member of the Scout Regiment and vows to protect humanity from the Titans.
He possesses the Founding Titan, granting him control over the memories and actions of others.
```

5. To sort a file and remove duplicate lines:

```
Eren is the Protagonist of Attack on Titan.
Eren is the Protagonist of Attack on Titan.lucien@DESKTOP-QQ2HK30:~/NEWFOLDER$
lucien@DESKTOP-QQ2HK30:~/NEWFOLDER$ sort -u Practical3.txt
Despite his brutal methods, Eren remains a complex and beloved character in the Attack on Titan series.
Eren Yeager is a skilled warrior with the ability to transform into a Titan.
Eren is the Protagonist of Attack on Titan.
Eren's father was murdered by a Titan, fueling his desire for revenge.
He is a member of the Scout Regiment and vows to protect humanity from the Titans.
He possesses the Founding Titan, granting him control over the memories and actions of others.
```

6. To sort a file ignoring case:

```
lucien@DESKTOP-QQ2HK30:~/NEWFOLDER$ sort -f Practical3.txt
Despite his brutal methods, Eren remains a complex and beloved character in the Attack on Titan series.
Eren is the Protagonist of Attack on Titan.
Eren is the Protagonist of Attack on Titan.
Eren Yeager is a skilled warrior with the ability to transform into a Titan.
Eren's father was murdered by a Titan, fueling his desire for revenge.
He is a member of the Scout Regiment and vows to protect humanity from the Titans.
He possesses the Founding Titan, granting him control over the memories and actions of others.
```

7. To sort a file ignoring leading and trailing spaces:

```
Lucien@DESKTOP-QQ2HK30:~/NEWFOLDER$ sort -b Practical3.txt
Despite his brutal methods, Eren remains a complex and beloved character in the Attack on Titan series.
Eren Yeager is a skilled warrior with the ability to transform into a Titan.
Eren is the Protagonist of Attack on Titan.
Eren is the Protagonist of Attack on Titan.
Eren's father was murdered by a Titan, fueling his desire for revenge.
He is a member of the Scout Regiment and vows to protect humanity from the Titans.
He possesses the Founding Titan, granting him control over the memories and actions of others.
```

8. To sort a file and merge the sorted files:

```
Lucien@DESKTOP-QQ2HK30:~/NEWFOLDER$ sort -m Practical3.txt Practical33.txt
Eren Yeager is a skilled warrior with the ability to transform into a Titan.
Eren's Titan form, the Attack Titan, is the key to unlocking the secrets of the world and the reason behind the Titans' existence.
Eren's relationships with his friends Mikasa and Armin are central to his character development.
He grapples with his identity as a human and a Titan, often struggling with his inner demons.
Eren's abilities as a Titan shifter make him a valuable asset in the ongoing war against the Titans.
Eren's determination and bravery, combined with his impulsiveness, often put him in dangerous situations, leading to dramatic moments in the series.
He is a member of the Scout Regiment and vows to protect humanity from the Titans.
Eren's father was murdered by a Titan, fueling his desire for revenge.
He possesses the Founding Titan, granting him control over the memories and actions of others.
Despite his brutal methods, Eren remains a complex and beloved character in the Attack on Titan series.
Eren is the Protagonist of Attack on Titan.
```

9. To sort a file and save the output to a new file:

```
Lucien@DESKTOP-QQ2HK30:~/NEWFOLDER$ sort Practical3.txt > Practical33.txt
Lucien@DESKTOP-QQ2HK30:~/NEWFOLDER$ cat Practical33.txt
Despite his brutal methods, Eren remains a complex and beloved character in the Attack on Titan series.
Eren Yeager is a skilled warrior with the ability to transform into a Titan.
Eren is the Protagonist of Attack on Titan.
Eren's father was murdered by a Titan, fueling his desire for revenge.
He is a member of the Scout Regiment and vows to protect humanity from the Titans.
He possesses the Founding Titan, granting him control over the memories and actions of others.
```

10. In Linux, the head and tail commands are used to display the beginning or end of a text file, respectively.

#### HEAD:

```
Lucien@DESKTOP-QQ2HK30:~/NEWFOLDER$ head Practical3.txt
Eren Yeager is a skilled warrior with the ability to transform into a Titan.
He is a member of the Scout Regiment and vows to protect humanity from the Titans.
Eren's father was murdered by a Titan, fueling his desire for revenge.
He possesses the Founding Titan, granting him control over the memories and actions of others.
Despite his brutal methods, Eren remains a complex and beloved character in the Attack on Titan series.
Eren is the Protagonist of Attack on Titan.

Eren Yeager is a skilled warrior with the ability to transform into a Titan.
He is a member of the Scout Regiment and vows to protect humanity from the Titans.
```

#### TAIL:

```
Lucien@DESKTOP-QQ2HK30:~/NEWFOLDER$ tail Practical3.txt
He possesses the Founding Titan, granting him control over the memories and actions of others.
Despite his brutal methods, Eren remains a complex and beloved character in the Attack on Titan series.
Eren is the Protagonist of Attack on Titan.

Eren Yeager is a skilled warrior with the ability to transform into a Titan.
He is a member of the Scout Regiment and vows to protect humanity from the Titans.
Eren's father was murdered by a Titan, fueling his desire for revenge.
He possesses the Founding Titan, granting him control over the memories and actions of others.
Despite his brutal methods, Eren remains a complex and beloved character in the Attack on Titan series.
Eren is the Protagonist of Attack on Titan.
```

11. In Linux, the pipe (|) symbol is used to redirect the output of one command as the input of another command. This allows you to chain multiple commands together in order to perform more complex operations.

```
lucien@DESKTOP-QQ2HK30:~/NEWFOLDER$ ls | grep Practical3.txt  
Practical3.txt
```