NETWORKING & SYSTEM ADMINISTRATION LAB

Experiment No.: 3

<u>Aim</u>

Familiarization of the linux commands.

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Batch: B

Date: 31/03/2022

Procedure

26. cut -d

This command is used to cut and display the content based on the delimiter given.

Syntax :- \$ cut -d delimiter -fieldnumber filename

Output:-

```
student@S46:~$ cat > mark.txt
English 49
Maths 50
Malayalam 48
Hindi 34
^Z
[1]+ Stopped cat > mark.txt
student@S46:~$ cut -d ' ' -f2 mark.txt
49
50
48
34
```

27. cut -b

This command is used to cut and display the content based on the specified byte number.

Syntax :- \$ cut -b bytenumber filename

Output:-

```
student@S46:~$ cut -b 2 mark.txt
n
a
a
i
```

28. cut --complement -c

This command is used to erase the specified character and display the remaining content of the file.

Syntax :- \$ cut --complement -c characternumber filename.txt

Output :-

```
student@S46:~$ cut --complement -c 1 mark.txt
nglish 49
aths 50
alayalam 48
indi 34
```

29. paste

This command is used to paste the contents from the specified file.

Syntax :- \$ paste filename

Output:-

```
student@S46:~$ cat > star.txt
Sun
Alpha Centauri
Galaxy
Supercluster
Twinkle
^7
[2]+ Stopped
                             cat > star.txt
student@S46:~$ cat > starnew.txt
^C
student@S46:~$ cat > star1.txt
Nebula
Cateye
Helion
Stardust
Sapphire
^Z
[3]+ Stopped
                             cat > star1.txt
student@S46:~$ paste star.txt star1.txt
Sun
       Nebula
Alpha Centauri Cateye
Galaxy Helion
Supercluster
               Stardust
Twinkle Sapphire
```

30. paste file1 file2 > file3

This command is used to paste the contents from the specified files to another file.

Syntax :- \$ paste file1 file2 > file3

Output:-

```
student@S46:~$ paste star.txt star1.txt > star2.txt
student@S46:~$ cat star2.txt
Sun Nebula
Alpha Centauri Cateye
Galaxy Helion
Supercluster Stardust
Twinkle Sapphire
```

31. paste -s

This command is used to paste the contents sequentially. It reads all the lines from the file and merges all these lines into a single line with each line separated by tab.

```
Syntax:- paste –s file1 file2
```

Output:-

```
student@S46:~$ paste -s star.txt star1.txt
Sun Alpha Centauri Galaxy Supercluster Twinkle
Nebula Cateye Helion Stardust Sapphire
```

32. paste -d

This command is used to paste the contents from the given files with the delimiter given.

```
Syntax :- $ paste -d delimiter file1 file2
```

Output:-

```
student@S46:~$ paste -d '-' star.txt star1.txt
Sun-Nebula
Alpha Centauri-Cateye
Galaxy-Helion
Supercluster-Stardust
Twinkle-Sapphire
```

```
student@S46:~$ paste -d '%|' star.txt star1.txt star.txt
Sun%Nebula|Sun
Alpha Centauri%Cateye|Alpha Centauri
Galaxy%Helion|Galaxy
Supercluster%Stardust|Supercluster
Twinkle%Sapphire|Twinkle
```

33. more

This command is used to view the text files in the command prompt, displaying one screen at a time in case the file is large.

Syntax :- \$ more filename

Output :-

sinders546-5 cat a space tot.
In older days man worshipped Sun and Acon thinking them to be scared. But the scientists presed that the Sun is a star and the moon is a planet like other planets. After the atomic age man has entered the age of as acc travel.

In 1957 the scientists secreeded in lesecting the first earth satallite into the outer surface. A Pushian dog called table was the first living being to go into apoce. In April 1961 York Gagarin of the USSA became the first man to make as crid; of the earth, 1964 the sent apoceses into the apoce, in 1967 Aposto Leseched Limit I. It peaced within 6500 has of the moon. It was the first space-ship which went into its own orbit or any own the first space in 1967 Limit I and April 2007 Aposto Leseched Limit I. It peaced within 6500 has of the moon. It was the first space-ship which went into its own orbit or any of the first space which went into its own orbits.

Trock and set is supplied and returned to the earth safety. And the set of th

The space ago began in 2007 with the accounted leasthing of the Bussian Satellite Sputnik-II was next into space carrying the dog Like. Space travel has immercely enrished our knowledge of the solar system. It has affected us a new scientific understanding of our own planet, the artis, through photographs taken by the astronauts. In April 1061 Bussian commonwed third Caparis node man's first space-flight. It was a milestone is space framed. In 1967 American actions and Commonwed there entits of the surface.

The V.S. Basger IF was the First unmassed spacecraft to reach the moon. The mass is air nearest neighbour. Therefore, it mas quite natural that space scientists trief to reach the moon furs of all 12 mas only as July 28, 1989 that two mentions assume that the moon is to the third space ability and the same that the moon is an invalid as in the moon is an invalid as in the moon the same followed by his co-astronaut feels a size Alfrin. The third sa-astronaut Hisbart Salling remained in orbit commanding the mobile. The two extremasts stayed as the moon for wheat II hears callecting rock samples, etc. and then retarned to the earth on July 24, 1980. The U.S. made second landing or the moon abovewhere 14, 1000,

In 1979 the Sunctions soft Landed their unmaned Lune-II on the moon and them sent a first propelled space-whip on the Tenun. The Americans again Landed on the moon for the third time in 1971 in their space-craft Ap olds-14. Then Apollo-15 Landed on the moon for the fourth time, But the conquest of the moon is not enough. How's quest of the pance knows so limits and therefore, the flights to other planets continue. The American Landed Planeer-I in March 1972 on 71-month mission into space pure Jupiter, Saturn, Uranas, Hopton and Plate. It became the first non made object to escape the solar system. Apollo-16 made the fifth landing on the moon in 1972. The same year Apollo-17 Landed on the moon in December. The materials formed and School's travel there for 75 American School Landing on the moon in December. The materials formed and School's travel there for 75 American School Landing on the moon in December. The materials formed and School's travel there for 75 American School Landing on the moon in December. The materials formed and School Landing on the moon in December. The materials formed and School Landing on the moon in December. The materials formed and School Landing on the moon in December. The materials are supported to the moon in the Tenut School Landing on the Materials and School Landing on the moon in the Materials and School Landing on the Materials and School

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Community succeeded in growing onton opcount on source saryers. In 1977 the U.S. Sauttined regulars 2 to proce the color space and the recurr system. The regulars 12 and sent facts that space the came year past the planet extent.

Columbia, the first space-shuttle was lawcome by America on April 12, 1981 which returned to the earth after 14 hours in space. It is a maint purpose remobile space craft which take off like a satellite and a gills of the control o

imporative that the various countries reach as agreement at the marifest so us to confine the use of space for paperful purposes only.

After atomic age deemed the space age. As has been see using space to a great advantage. For example, travel through space by means of exergiance of various types has brought the world much closer. Now we can fig from one continent to market is a few hours. The grapers in super enchanging and travel large the teacher there decades these almost been mirroritans. During this period, several satellites and space craft's have here Insuched for various purposes. The launching of satellites in the space has resolutionized the means of each communication like radio and T.V. broadcasting, but the possibility of use of space for ellitary purpose

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was a milesture in space travel. In 1962 American astronaut John Glenn made three orbits of the earth in the space

The I.S. Earger IV was the first presented precipient to reach the mean. The noon is now served anisyboar. Paymetre, it was points extent that space actualities tried to reach the moon in their appear with deposits II. American extrement held American section the first man to with an the moon, He was not the space by his or astronous towich has been consistent field in the first constrained to work contained to work consisting the models. The non-astronous stayed on the surface of the moon for about 25 hours collecting, etc. and then returned to

In 1970 the Busilians soft landed their unnormed Lone II on the most and then sent a first propelled space while on the Woos. The Americans again landed on the most for the third time to 1971 be their space craft in 1912. The Apolica is the mass for the Farrit time. But the coagest of the most is not assessed, Mark spect of the bases hower to Units and therefore, the filights to other planets continue. The America is a landed Pisaces-I in Mark 1977 on II-month mission into space post Supitor, Satura, Grans, Septem and School, II became the first man made object to escape the solar system. Apollo-16 mode the fifth Landing on the most to December. The land stress continues the first stress there for 75 hears such continue when the first has most applicable to the most for the solar manufacture of the first part made solar such apolica is a such applicable.

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Thus, great progress has been made in space travel in these years. The day is not for when the minor may be used as a locing-board for deep remearch and travel to the other planets and selephocaring stars. But it is impossible that the unit of space and selephocaring stars is a recommendation of space of a possible that the unit of space of space of a possible property is a great a service of space of a possible property in the selection of the unit of the selection of the unit of

The space age began in 1937 with the nuccessful launything of the Bassian Satellite Squithkil. Then Spatikill was sent into space carrying the dag Like. Space travel has lamented our broadless of the salt or system. It has afforded as a new scientific understanding of our own places, the earth, through photographs taken by the extronauts. To April 1961 Bussian summnest Yuri Engaria mode man's first again for the mode of the earth in the space.

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The U.S. Ranger IV was the Pirit componed spacecraft to reach the moon. The moon is our nearest neighbour. Therefore, it was quite natural that space accentists fried to reach the moon from the moon. Be used the moon in the reach the moon that produce the first man be sailt on the moon. Be used Stimmed Edwis 1 was Albrin. The Start of constrained that American asteriorate Neil American asteriorate that American asteriorate that are not seen to the moon for about 25 bears collecting not semiled in whit commanded to the reach the moon for about 25 bears collecting not semiled, etc. and then returned to the art of ally 24, 1949. The U.S. made second leading on the mass on desaudors 14, 1949.

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Commensors succeeded in greating online spreets an board Salyst-6. In 1977 the U.S. launched Voyager-I to probe the outer space and the salar system. The Voyager-II was sent three pace the same year past the planet Salyses.

Columbia, the first space-shullde was learned by America on April 22, 1993 which returned to the world after 16 hours in space. It is a waiti-pargone remains space coult, which take off like a satellite and a gilld or. It can be used to learned a love 1981 to transport for one post the placeds and the can andest the stars. In 1984 the E.S. space shuttle challenger became the first space-craft to return from space to its learning stars, and repaired on alling solar latellite April, 1984.

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so the American Apollo II landed on the moon with Neil Armstrong, Aldrin and Collins. Neil Armstrong was the first man to step on the moon. He was joined by Edwin Aldrin. Notographs, collected rock and soil samples and returned to the earth safely.

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e first space-shuttle was launched by America on April 12, 1981 which returned to the earth after 54 hours in space. It is a multi-purpose reusable space craft which take stellite and a glider. It can be used to launch satellites, contact, retrieve and repair space crafts in the orbit. The U.S. space craft Pioneer-18 was launched in June 19 for over past the planets and the sun amidst the stars. In 1984 the U.S. space shuttle challenger became the first space-craft to return from space to its launching site, thip retrieved and repaired an alling solar Satellite April, 1984.

34. more -number

This command is used to display display the lines to the specified number from head.

\$ more -number Syntax :-

Output:-

In olden days man worshipped Sun and Moon thinking them to be scared. But the scientists proved that the Sun is a star and the moon is a planet like other planets. After the atomic ag man has entered the age of space travel.

more -3 space.txt

35. more +number

This command use the line number from where we want to displaying the text content.

Syntax :- \$ more +number

Output :-

student@540:-5 more +3 space.txt
In 1997 the scientists succeeded in launching the first earth satellite into the outer surface. A Russian dog called Laika was the first living being to go into space. In April 1901 in uri Cagarin of the USSM became the first run to make an orbit of the earth. USA then sent spacemen into the space. In 1909 Russia launched Lunik I. It passed within 6500 kms of the run of the control of the c

In July 1969 the American Apollo II landed on the moon with Neil Armstrong, Aldrin and Collins. Neil Armstrong was the first man to step on the moon. He was joined by Edwin Aldrin. hey took photographs, collected rock and soil samples and returned to the earth safely. After atomic age dawned the space age. Man has been now using space to a great advantage. For example, travel through space by means of aeroplanes of various types has brought the wolld much closer. Now we can fly from one continent to another in a few hours. The progress in space technology and travel during the last three decades has almost been miraculous. Dur

ing this period, several satellites and space craft's have been launched for various purposes. The launching of satellites in the space has revolutionized the means of mass communication like radio and T.V. broadcasting, but the possibility of use of space for military purposes has been a source of constant worry.

The space age began in 1957 with the successful launching of the Russian Satellite Soutnik-I. Then Soutnik-II was sent into space corrying the dog tike. Space travel has immensely enr

stan cosmonaut Yuri Gogarin made man's first space-flight. It was a milestone in space travel. In 1902 American astronaut John Gienn made three orbits of the earth in the space.
The U.S. Ranger IV was the first unmanned spacecraft to reach the moon. The moon is our nearest neighbour. Therefore, it was quite natural that space scientists tried to reach the moo
n first of all. It was only on July 20, 1969 that two American astronauts could reach the moon in their space-ship Apollo-II. American astronaut Neil Armstrong became the first man to

In 1970 the Aussians soft landed their unmanned Luna-II on the moon and then sent a first propelled space-ship on the Venus. The Americans again landed on the moon for the third time in 1971 in their space-craft Apollo-14. Then Apollo-15 landed on the moon for the fourth time. But the conquest of the moon is not enough, Man's quest of the space knows no limits and therefore, the flights to other planets continue. The Americans landed Pioneer in March 1972 on 21-month mission into space post Jupiter, Saturn, Uranus, Nestune and Pluto. It became the first man made object to escape the solar system. Apollo-16 made the fifth landing on the moon in 1972. The same year Apollo-17 landed on the moon in December. The two astronau

Since man's last landing on the moon there have been scores of space-flights by the U.S. and the U.S.S.R. In 1978 the U.S.S.R. sent the first international crew in the space consisting a Russian and a Czech Cosmonaut. In 1979 the Soviet

Cosmonauts succeeded in growing onion aprouts on board Salyut-6. In 1977 the U.S. launched Voyager-I to probe the outer apace and the solar system. The Voyager-II was sent into apace the same year past the planet Saturn.

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