

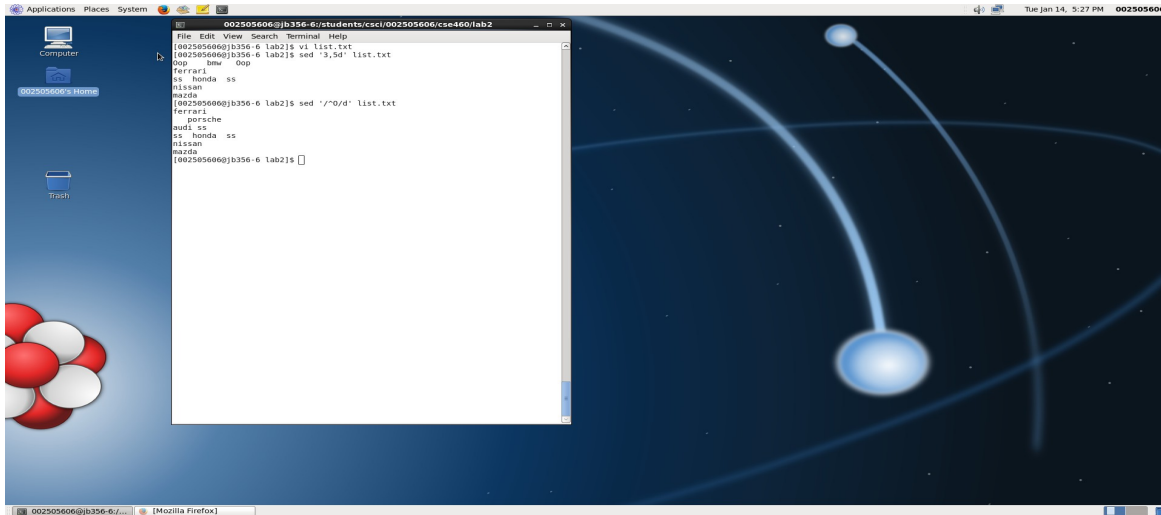
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CSE460 Operating Systems

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Lab 2



SED

Delete lines from 3 through 5 in file list.txt.

- sed -e '3, 5d' list.txt

Delete lines that contain "O" at the beginning of the line.

- sed '/^O/d' list.txt

Translate capital C,R,O into small c,r,o.

- sed -e 's/C/c/g' -e 's/R/r/g' -e 's/O/o/g'

Delete empty lines.

- sed '/^\$/d' list.txt

Replace string Oop with Wee for the first occurrence on a line.

- sed '/Oop/s/Oop/Wee/' list.txt

Remove ss string (replace with empty entry) for the first occurrence on a line:

- sed 's/ss//g' list.txt

Remove ss string for all occurrences on a line:

- sed 's/ss//g' list.txt

Substitute a single space for any number of spaces wherever they occur on the line.

- sed 's/[[:blank:]]\t/_/g' list.txt

Substitute underscore for any number of spaces wherever they occur on the line.

- sed 's/[[:blank:]]\t/_/g' list.txt

1.How to Define variable x with value 10 and

```
$ x=10
```

```
$ echo $x
```

2.How to Define variable xn with value Rani and print it on screen

Ans.

```
$ xn=Rani
```

```
$ echo $xn
```

3.How to print sum of two numbers, let's say 6 and 3

```
$ echo 6 + 3
```

This will print 6 + 3, not the sum 9, To do sum or math operations in shell use expr, syntax is as follows

4.How to define two variable x=20, y=5 and then to print division of x and y (i.e. x/y)

```
$x=20
```

```
$ y=5
```

```
$ expr x / y
```

5.Modify above and store division of x and y to variable called z

```
$ x=20
```

```
$ y=5
```

```
$ z=`expr x / y`
```

```
$ echo $z
```

- We had about 10 pictures but there was a limit to how many kb we could submit, we finished the assignment so we will be giving ourselves 20 points.