

Exercise no 2.

1. created a text file called a.txt and added some data into it
2. created a text file called b.txt and copied the contents of a.txt into b.txt
3. modified some data in the b.txt and found the differences between a.txt and b.txt using 'diff' command

```
subhashj@ignitarium:~$ touch a.txt
subhashj@ignitarium:~$ gedit a.txt
subhashj@ignitarium:~$ touch b.txt
subhashj@ignitarium:~$ cat a.txt
Andhra pradesh
uttar pradesh
maharashtra
tamilnadu
karnataka
madhya pradesh
east bengal
west bengal
jammu and kashmir
subhashj@ignitarium:~$ cp a.txt b.txt
subhashj@ignitarium:~$ cat b.txt
Andhra pradesh
uttar pradesh
maharashtra
tamilnadu
karnataka
madhya pradesh
east bengal
west bengal
jammu and kashmir
subhashj@ignitarium:~$ gedit b.txt
subhashj@ignitarium:~$ diff a.txt b.txt
2c1
< Andhra pradesh
<
> > Andhra pradesh21
> > uttar pradesh21
4c4
< < tamilnadu
...
> > tamilnadu2121
7c7
< < east bengal
...
> > east bengal2121
subhashj@ignitarium:~$ |
```

4. Redirected the output of diff to a file called a.patch.

```
> uttar pradesh2
4c4
< tamilnadu
---
> tamilnadu2121
7c7
< east bengal
---
> east bengal212
subhashj@ignitarium-ThinkPad-L14-Gen-2:~/linux_shell$ diff -u a.txt b.txt a.patch
diff: extra operand 'a.patch'
diff: Try 'diff --help' for more information.
subhashj@ignitarium-ThinkPad-L14-Gen-2:~/linux_shell$ diff -u a.txt b.txt > a.patch
subhashj@ignitarium-ThinkPad-L14-Gen-2:~/linux_shell$ cat a.patch
--- a.txt      2022-08-29 12:25:09.844864664 +0530
+++ b.txt      2022-08-29 12:26:38.332617604 +0530
@@ -1,10 +1,10 @@
-Andhra pradesh
-uttar pradesh
+Andhra pradesh212
+uttar pradesh2
+maharastra
-tamilnadu
+tamilnadu2121
+karnataka
+madhya pradesh
-east bengal
+east bengal212
-west bengal
+jammu and kashmir
subhashj@ignitarium-ThinkPad-L14-Gen-2:~/linux_shell$ patch a.txt < a.patch
patching file a.txt
subhashj@ignitarium-ThinkPad-L14-Gen-2:~/linux_shell$ diff a.txt b.txt
subhashj@ignitarium-ThinkPad-L14-Gen-2:~/linux_shell$ |
```

5. Now redirecting the patch file into the a.txt
6. Checked the differences between the a.txt and b.txt there is no difference between them.