

## Assignment: Bash Shell Basics

### Task 1: File and Directory Manipulation

1. Create a directory called "my\_directory".

```
(killix@kalip)-[~]  
$ mkdir my_directory
```

2. Navigate into the "my\_directory".

```
(killix@kalip)-[~]  
$ cd my_directory
```

3. Create an empty file called "my\_file.txt".

```
(killix@kalip)-[~/my_directory]  
$ nano my_file.txt
```



```
killix@kalip: ~/my_directory
GNU nano 7.2 my_file.txt
[ New File ]
^G Help      ^O Write Out ^W Where Is  ^K Cut
^X Exit      ^R Read File ^\ Replace   ^U Paste
```

4. List all the files and directories in the current directory.



```
(killix@kalip)-[~/my_directory]
$ ls
my_file.txt.save
```

5. Rename "my\_file.txt" to "new\_file.txt".

```
(killix@kalip)-[~/my_directory]
$ mv my_file.txt.save new_file.txt.save

(killix@kalip)-[~/my_directory]
$ ls
new_file.txt.save
```

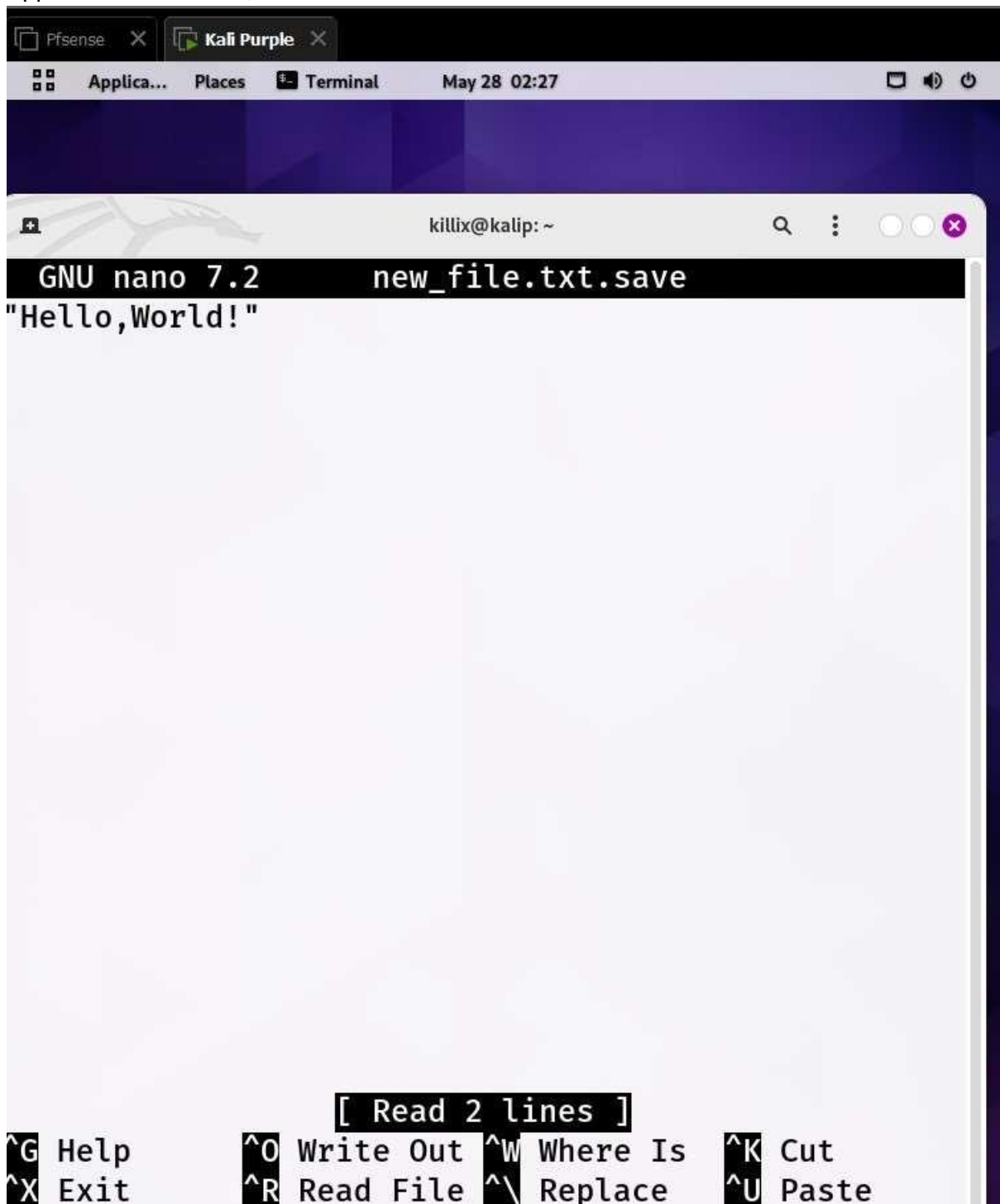
6. Display the content of "new\_file.txt" using a pager tool of your choice.



```
GNU nano 7.2 new_file.txt.save

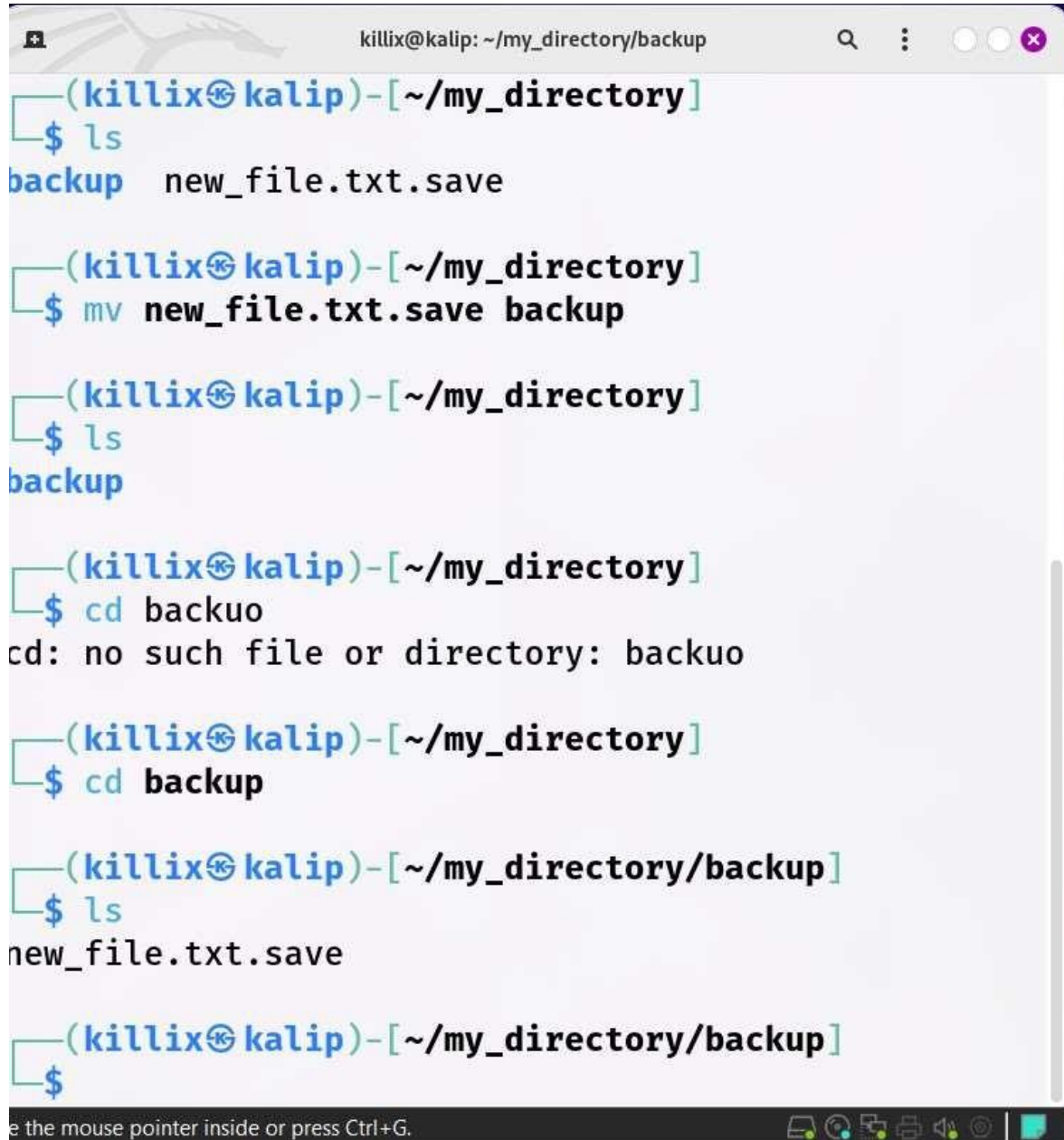
Error opening lock file ../new_file.txt.save.swp: Pe
^G Help      ^O Write Out ^W Where Is  ^K Cut
^X Exit      ^R Read File ^\ Replace   ^U Paste
```

7. Append the text "Hello, World!" to "new\_file.txt".



```
killix@kalip: ~  
GNU nano 7.2 new_file.txt.save  
"Hello,World!"  
  
[ Read 2 lines ]  
^G Help      ^O Write Out  ^W Where Is   ^K Cut  
^X Exit      ^R Read File  ^\ Replace    ^U Paste
```

8. Create a new directory called "backup" within "my\_directory".
9. Move "new\_file.txt" to the "backup" directory.



```
killix@kalip: ~/my_directory/backup
(killix@kalip)-[~/my_directory]
$ ls
backup  new_file.txt.save

(killix@kalip)-[~/my_directory]
$ mv new_file.txt.save backup

(killix@kalip)-[~/my_directory]
$ ls
backup

(killix@kalip)-[~/my_directory]
$ cd backuo
cd: no such file or directory: backuo

(killix@kalip)-[~/my_directory]
$ cd backup

(killix@kalip)-[~/my_directory/backup]
$ ls
new_file.txt.save

(killix@kalip)-[~/my_directory/backup]
$
```

Click the mouse pointer inside or press Ctrl+G.

10. Verify that "new\_file.txt" is now located in the "backup" directory.
11. Delete the "backup" directory and all its contents.

```
(killix@kalip)-[~/my_directory/backup]
$ cd ..

(killix@kalip)-[~/my_directory]
$ ls
backup

(killix@kalip)-[~/my_directory]
$ rm -rf backup

(killix@kalip)-[~/my_directory]
$ ls

(killix@kalip)-[~/my_directory]
$
```