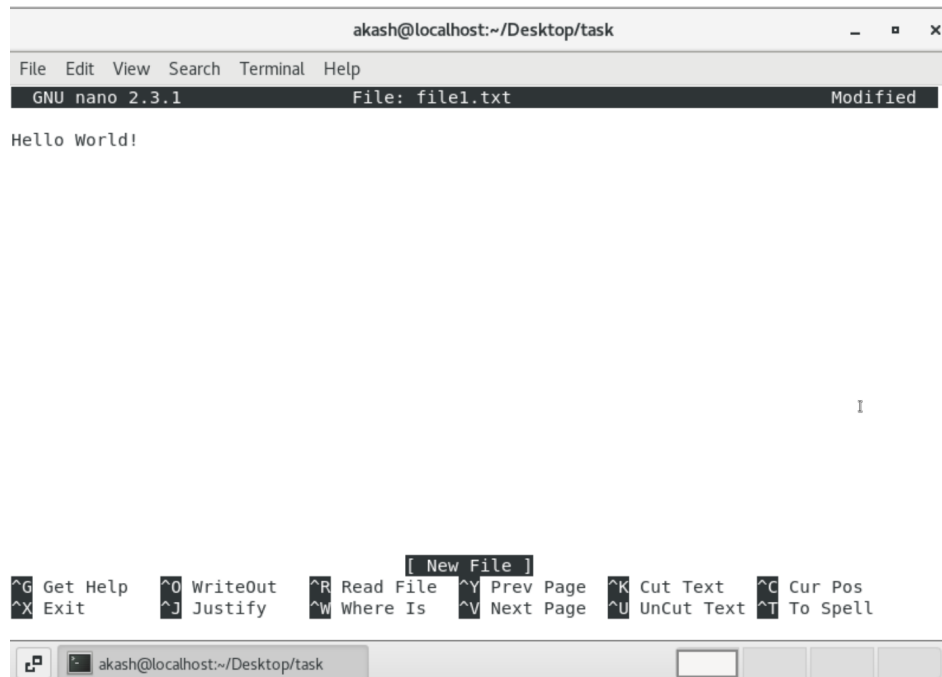**Assignment Part-3: Playing with Files**
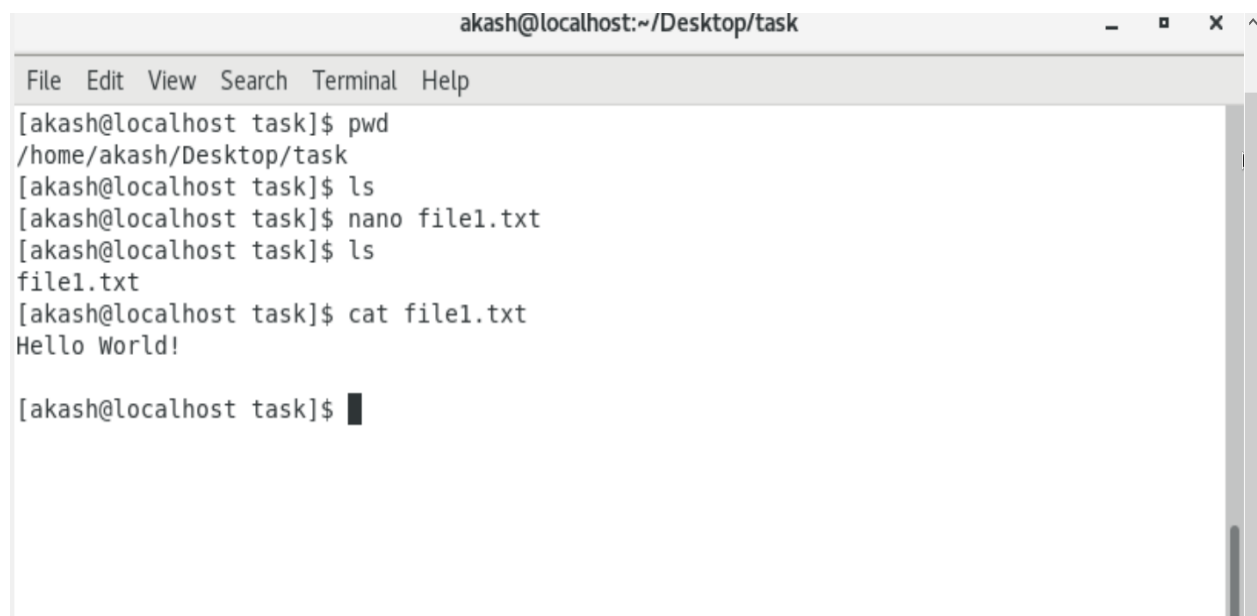
1. Create a file like nano file1.txt
    o **Edit some data and then save the file**
  Answer:
        Created a file1.txt using nano and added the message "Hello World" and saved the file.

2. Now we will copy the data from file1 to new file2

Answer:

Copied the contents from file1.txt to file2.txt and displayed the contents of the file2.txt using the cat command.

```
                       akash@localhost:~/Desktop/task              _  □  ✕

File  Edit  View  Search  Terminal  Help
[akash@localhost task]$ pwd
/home/akash/Desktop/task
[akash@localhost task]$ ls
[akash@localhost task]$ nano file1.txt
[akash@localhost task]$ ls
file1.txt
[akash@localhost task]$ cat file1.txt
Hello World!

[akash@localhost task]$ cp file1.txt file2.txt
[akash@localhost task]$ ls
file1.txt   file2.txt
[akash@localhost task]$ cat file2.txt
Hello World!

[akash@localhost task]$
```

3. Now we will move the file2.txt to a new folder /home

Answer:

For moving the file2.txt to /home, we need permission, so I logged in as the root user and used the mv command to move the file2.txt and checked the /home using the ls command.

```
[akash@localhost ~]$ pwd
/home/akash
[akash@localhost ~]$ su
Password:
[root@localhost akash]# whoami
root
[root@localhost akash]# ls
Desktop  Documents  Downloads  Music  Pictures  Public  Templates  Videos
[root@localhost akash]# cd Desktop/
[root@localhost Desktop]# ls
iNeuron   task
[root@localhost Desktop]# cd task/
[root@localhost task]# ls
file1.txt   file2.txt
[root@localhost task]# mv file2.txt /home
[root@localhost task]# ls
file1.txt
[root@localhost task]# cd /home
[root@localhost home]# ls
akash   file2.txt
[root@localhost home]#
```

4. Then we create a new file3.txt and file4.txt in the home directory and add content to it.

  o **Now do echo "Hello I am newline" > file3.txt and provide the output of file3.txt**
  o **Now do echo "Hello I am newline" >> file4.txt and provide the output of file4.txt**

Answer:
- The echo "...." >file3.txt creates a file3.txt if it does not exits and adds the content to the file. If the file exits then it overrides the contents present in the file with the given content.
- The echo "....">>file4.txt creates a file4.txt if it does not exits and adds the content to the file. If the file exits then it appends the given content in a new line.

```
[root@localhost home]# ls
akash  file2.txt
[root@localhost home]# echo "Hello I am newline">file3.txt
[root@localhost home]# ls
akash  file2.txt  file3.txt
[root@localhost home]# cat file3.txt
Hello I am newline
[root@localhost home]# echo "Hello I am newline">>file4.txt
[root@localhost home]# cat file4.txt
Hello I am newline
[root@localhost home]# ls
akash  file2.txt  file3.txt  file4.txt
[root@localhost home]#
```

5. For removing a file or directory you can use the below two commands

  o **To delete a file – rm <any_filename>**

Answer:
  Deleted 3 files using the rm command.

```
[root@localhost home]# ls
akash  file2.txt  file3.txt  file4.txt
[root@localhost home]# ls
akash  file2.txt  file3.txt  file4.txt
[root@localhost home]# rm file2.txt file3.txt file4.txt
rm: remove regular file 'file2.txt'? y
rm: remove regular file 'file3.txt'? y
rm: remove regular file 'file4.txt'? y
[root@localhost home]# ls
akash
```

  o **To delete a directory -rmdir <any_directoryname>**

Answer:
  Deleted the task directory using the rmdir command.

```
[root@localhost home]# pwd
/home
[root@localhost home]# ls
akash
[root@localhost home]# cd akash/
[root@localhost akash]# ls
Desktop  Documents  Downloads  Music  Pictures  Public  Templates  Videos
[root@localhost akash]# cd Desktop
[root@localhost Desktop]# ls
iNeuron  task
[root@localhost Desktop]# rmdir task
rmdir: failed to remove 'task': Directory not empty
[root@localhost Desktop]# cd task
[root@localhost task]# ls
file1.txt
[root@localhost task]# rm file1.txt
rm: remove regular file 'file1.txt'? y
[root@localhost task]# ls
[root@localhost task]# cd ..
[root@localhost Desktop]# rmdir task
[root@localhost Desktop]# ls
iNeuron
[root@localhost Desktop]#
```