UBUNTU COMMANDS

OPERATING SYSTEMS LABS

ASSIGNMENT # 01

Submitted By

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Submitted to

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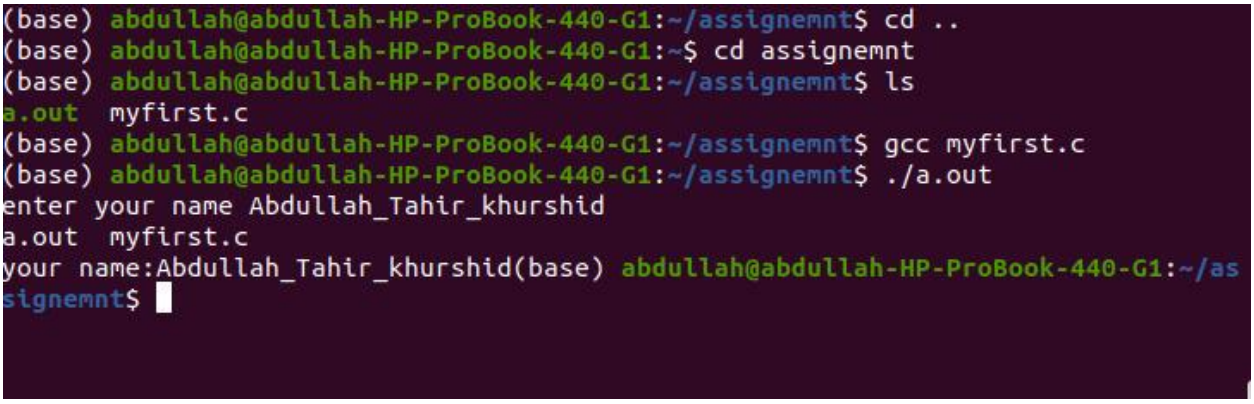
QUESTION NO 1

```
#include<stdio.h>
#include<stdlib.h>
#include<string.h>

int main( int argc,char*argv[])
{
char x[100];
printf("enter your name");
scanf("%s",x);
int size=strlen(x);

printf("your name:");



for(int j=0; j<size;j++)
{

   printf("%c",x[j]);
}
```

```
system("ls”);


return 0;
}
```

RESULT:

so I executed the myfirst.c file and it asked me for the name and I entered the name and then it showed/displayed my name,and after that I sent a system call for “ls” which displayed the contents of the folder in that case we only had one file named myfirst.c and it showed it as you can see below.



QUESTION NO 2

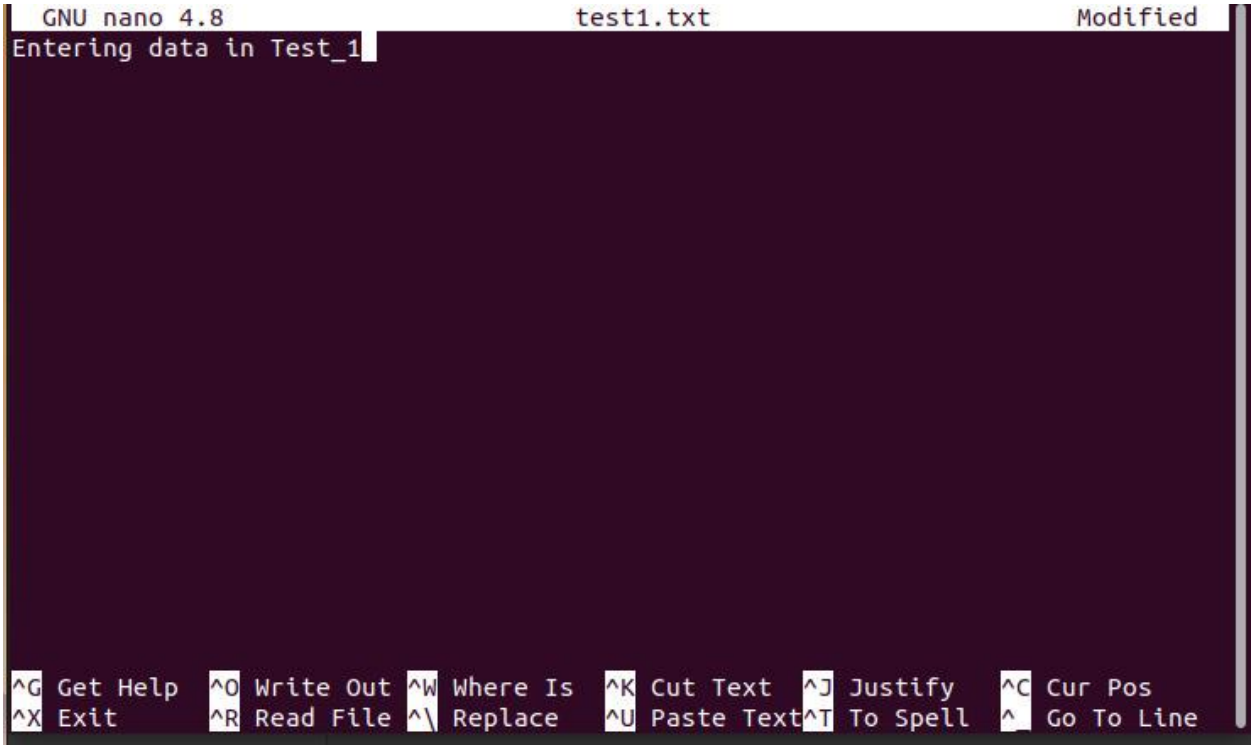
```
#include<stdio.h>
#include<stdlib.h>
#include<string.h>
```

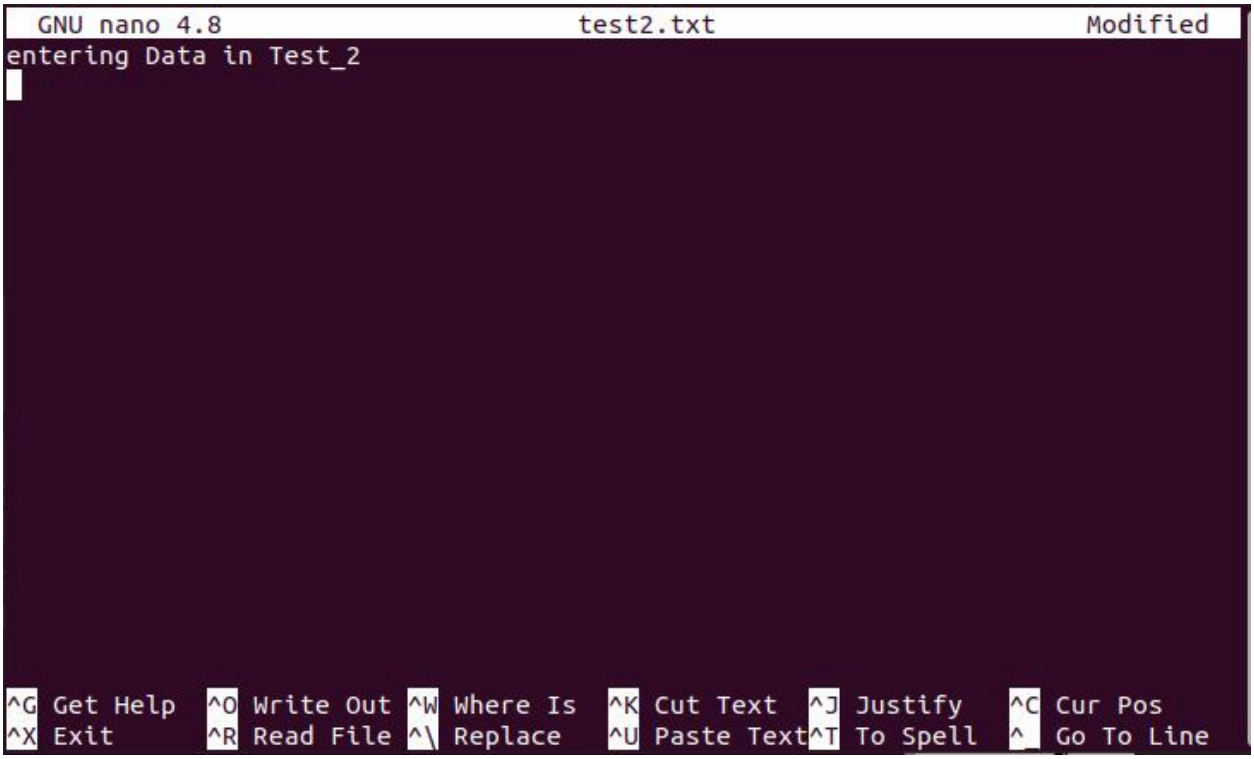
```
int main( int argc,char*argv[])
{
char x[100];
printf("enter your name");
scanf("%s",x);
int size=strlen(x);

printf("your name:");



for(int j=0; j<size;j++)
{

   printf("%c",x[j]);
}



system("mkdir Test && cd Test && nano test1.txt && nano test2.txt
&& ls && cat <test1.txt && cat <test2.txt && cd .. && rm -r Test &&
ls");

return 0;
}
```

I excetued the myfirst.c file and it asked me for the name,I entered the name.

```
(base) abdullah@abdullah-HP-ProBook-440-G1:~/assignemnt$ gcc myfirst.c
(base) abdullah@abdullah-HP-ProBook-440-G1:~/assignemnt$ ./a.out
enter your nameAbdullah
```

After the it asked for the name ,I sent a system call for mkdir and to make a directory called Test and make two files in it named test1.txt and text2.txt and then I also allowed the nano editor to write in it using the cat commad as shown below.






```
(base) abdullah@abdullah-HP-ProBook-440-G1:~/assignemnt$ gcc myfirst.c
(base) abdullah@abdullah-HP-ProBook-440-G1:~/assignemnt$ ./a.out
enter your nameAbdullah
test1.txt  test2.txt
Entering data in Test_1

Entering data in Test_2

a.out  myfirst.c
your name:Abdullah(base) abdullah@abdullah-HP-ProBook-440-G1:~/assignemnt$
```

RESULT:

Now to explain what happened,it first asked for the name,I entered the name ,then I sent a systemcall for creating a directory and make two files in it test1 and test,it did that.After that I also used cat command to insert text into it. And it did that,Lastly after all that I used rm -r Test to go back and delete the directory and the with ls it listed the contents of the folder which you can see above.