

Lab 2 Task

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Roll No: 20p-0101

Subject: Operating Systems Lab

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Section: BCS-4A

#####786#####

Script:

Here is the Script file Attached below:



Overview:

```
echo "Creating a nameFile: "  
touch sherjeel.txt  
echo "Enter Your Name: "  
nano sherjeel.txt  
echo "Creating a rollnoFile: "  
touch rollNo.txt  
echo "Enter Roll No: "  
nano rollNo.txt  
echo "Name and Rollno Successfully Entered: "  
echo "Creating a Combining File: "  
touch combYined.txt  
cat sherjeel.txt rollNo.txt > combYined.txt  
echo "Creating a hello.txt file: "  
touch hello.txt  
echo "Enter the Hello World Code in C: "  
nano hello.txt  
echo "Enter the Hello.c file: "  
touch hello.c  
cat hello.txt > hello.c  
read x  
case $x in  
    1)  
        gcc hello.c -o hello  
        ;;  
    2)  
        ./hello  
        ;;  
    3)  
        cat hello.c  
        ;;  
    *)  
        echo "No case available"  
        ;;  
esac  
exit 0
```

Working:

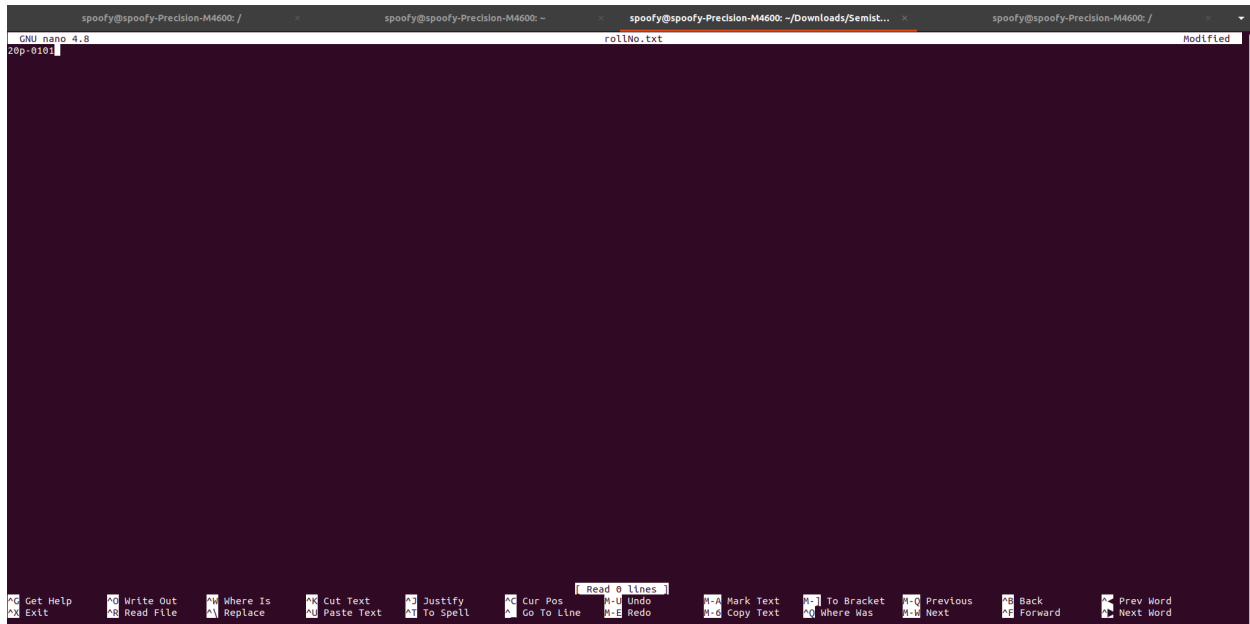
```
spoofy@spoofy-Precision-M4600: /  
spoofy@spoofy-Precision-M4600: ~  
spoofy@spoofy-Precision-M4600: ~/Downloads/Semist...  
spoofy@spoofy-Precision-M4600: /  
spoofy@spoofy-Precision-M4600:~/Downloads/Semister 6/05 Lab/Lab Task %$ ls  
osLab5.sh  
spoofy@spoofy-Precision-M4600:~/Downloads/Semister 6/05 Lab/Lab Task %$
```

Permission of executable is given via the “chmod + x osLab5.sh”.

Running the script:



```
spoofy@spoofy-Precision-M4600:~/Downloads/Semister 6/05 Lab/Lab Task %$ ./osLab5.sh
```

```
GNU nano 4.8
20p-0101
```

rollNo.txt

Get Help, Write Out, Where Is, Cut Text, Justify, Cur Pos, Go To Line, Read 0 lines, Undo, Redo, Mark Text, Copy Text, To Bracket, Where Was, Previous, Next, Back, Forward, Prev Word, Next Word

Writing the C Hello World Code in hello.txt file:



```
GNU nano 4.8
#include <stdio.h>
int main(){
printf("Hello World");
return 0;}
```

File Name to Write: hello.txt

Get Help, Cancel, DOS Format, Mac Format, Append, Prepend, Backup File, To Files

Now Press 1 if you want to Compile hello.c file
Press 2 if you want to run the Executable of hello.c
Press 3 if you want to print out the code in hello.c file
Pressing any other value will result in the displaying of the Message, "No case available."

Typing 1 To Compile the hello.c file:

```
spoofy@spoofy-Precision-M4600: / × spoofy@spoofy-Precision-M4600: ~
spoofy@spoofy-Precision-M4600:~/Downloads/Semister 6/OS Lab/Lab Task 2$ ./osLab5.sh
Creating a nameFile:
Enter Your Name:
Creating a rollnoFile:
Enter Roll No:
Name and Rollno Successfully Entered:
Creating a Combining File:
Creating a hello.txt file:
Enter the Hello World Code in C:
Enter the Hello.c file:
1
```

```
spoofy@spoofy-Precision-M4600:~/Downloads/Semister 6/OS Lab/Lab Task 2$ ./osLab5.sh
Creating a nameFile:
Enter Your Name:
Creating a rollnoFile:
Enter Roll No:
Name and Rollno Successfully Entered:
Creating a Combining File:
Creating a hello.txt file:
Enter the Hello World Code in C:
Enter the Hello.c file:
1
spoofy@spoofy-Precision-M4600:~/Downloads/Semister 6/OS Lab/Lab Task 2$
```

Typing 2 To Run the hello.c executable:

```
spoofy@spoofy-Precision-M4600:~/Downloads/Semister 6/OS Lab/Lab Task 2$ ./osLab5.sh
Creating a nameFile:
Enter Your Name:
Creating a rollnoFile:
Enter Roll No:
Name and Rollno Successfully Entered:
Creating a Combining File:
Creating a hello.txt file:
Enter the Hello World Code in C:
Enter the Hello.c file:
2
Hello Worldspoofy@spoofy-Precision-M4600:~/Downloads/Semister 6/OS Lab/Lab Task 2$
```

Typing 3 To Print out the code in Hello.c file:

```
Creating a nameFile:
Enter Your Name:
Creating a rollnoFile:
Enter Roll No:
Name and Rollno Successfully Entered:
Creating a Combining File:
Creating a hello.txt file:
Enter the Hello World Code in C:
Enter the Hello.c file:
3
#include <stdio.h>
int main(){
printf("Hello World");
return 0;}
spoofy@spoofy-Precision-M4600:~/Downloads/Semister 6/OS Lab/Lab Task 2$
```

Typing any other value will result in the displaying of a message:

```
spoofy@spoofy-Precision-M4600:~/Downloads/Semister 6/OS Lab/Lab Task 2$ ./osLab5.sh
Creating a nameFile:
Enter Your Name:
Creating a rollnoFile:
Enter Roll No:
Name and Rollno Successfully Entered:
Creating a Combining File:
Creating a hello.txt file:
Enter the Hello World Code in C:
Enter the Hello.c file:
4
No case available
spoofy@spoofy-Precision-M4600:~/Downloads/Semister 6/OS Lab/Lab Task 2$
```

Overview of all the Results:

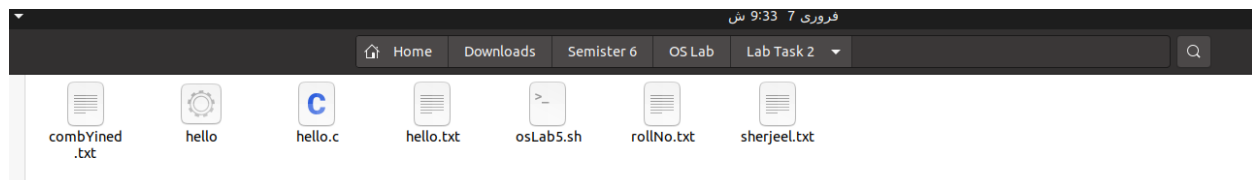
```

spoofy@spoofy-Precision-M4600:~/Downloads/Semister 6/OS Lab/Lab Task 2$ ./osLab5.sh
Creating a nameFile:
Enter Your Name:
Creating a rollnoFile:
Enter Roll No:
Name and Rollno Successfully Entered:
Creating a Combining File:
Creating a hello.txt file:
Enter the Hello World Code in C:
Enter the Hello.c file:
1
spoofy@spoofy-Precision-M4600:~/Downloads/Semister 6/OS Lab/Lab Task 2$ ./osLab5.sh
Creating a nameFile:
Enter Your Name:
Creating a rollnoFile:
Enter Roll No:
Name and Rollno Successfully Entered:
Creating a Combining File:
Creating a hello.txt file:
Enter the Hello World Code in C:
Enter the Hello.c file:
2
Hello Worldspoofy@spoofy-Precision-M4600:~/Downloads/Semister 6/OS Lab/Lab Task 2$ ./osLab5.sh
Creating a nameFile:
Enter Your Name:
Creating a rollnoFile:
Enter Roll No:
Name and Rollno Successfully Entered:
Creating a Combining File:
Creating a hello.txt file:
Enter the Hello World Code in C:
Enter the Hello.c file:
3
#include <stdio.h>
int main(){
printf("Hello World");
return 0;}
spoofy@spoofy-Precision-M4600:~/Downloads/Semister 6/OS Lab/Lab Task 2$ ./osLab5.sh
Creating a nameFile:
Enter Your Name:
Creating a rollnoFile:
Enter Roll No:
Name and Rollno Successfully Entered:
Creating a Combining File:
Creating a hello.txt file:
Enter the Hello World Code in C:
Enter the Hello.c file:
4
No case available
spoofy@spoofy-Precision-M4600:~/Downloads/Semister 6/OS Lab/Lab Task 2$

```

Files Overview:

Files created after running the script,



Files Separate Innerview:


```
Open  sherjeel.txt
~/Downloads/Semister 6/OS Lab/Lab Task 2
1 Muhammad Sherjeel Akhtar
```

```
sherjeel.txt  rollNo.txt
1 20p-0101
```

```
Open  combined.txt
~/Downloads/Semister 6/OS Lab/Lab Task 2
1 Muhammad Sherjeel Akhtar
2 20p-0101
```

```
Open  hello.txt
~/Downloads/Semister 6/OS Lab/Lab Task 2
1 #include <stdio.h>
2 int main(){
3 printf("Hello World");
4 return 0;}
```

```
hello.c - OSPract - Visual Studio Code
o Run Terminal Help
cpCode.cpp  $ osLab2.sh  $ osLab4.sh  $ osLab5.sh  C hello.c  $ osLab6.sh  hello.txt  osLab3.sh
C hello.c > ...
1 #include<stdio.h>
2
3 int main(){
4     printf("Hello World");
5     return 0;
6 }
7
```