

Lab - 11

1. Shell program on paste cmd

```
nano file_1.sh
```

```
↳ Hello  
Welcome
```

```
nano file_2.sh
```

```
↳ World  
Back
```

```
nano paste file_1.sh file_2.sh
```

```
Hello      World  
Welcome    Back
```

2. Shell program for sort w/ 3 options

```
nano sortng.sh
```

```
↳ potato  
tomato  
banana  
apple  
cucumber  
apricot  
spinach  
apple
```

```
sort sortng.sh
```

```
apple  
apple  
apricot  
banana  
cucumber  
potato  
spinach  
tomato
```

sort -r sort.sh

↳ tomato

spinach

potato

cucumber

banana

apricot

apple

apple

sort -u sort.sh

↳ apple

apricot

banana

cucumber

potato

spinach

tomato

3. Demo of uniq & command

nano uniq.sh

↳

Hello World

Welcome Back

Hello World

Hello World

uniq uniq.sh

↳ Hello World

Welcome Back

Hello World

tr [:lower:] [:upper:] < uniq.sh

↳ HELLO WORLD
WELCOME BACK
HELLO WORLD
HELLO WORLD

4.3 C program

name firstc.c

↳ #include <stdio.h>

int main (int argc, char* argv[]) {

int i;

char **ptr;

extern char **environ;

for (ptr = environ, *ptr != 0; ptr++)

printf ("%s\n", *ptr);

return 0;

y

gcc firstc.c -o output

↳ ./output

O/P:

SHELL=/bin/bash

SESSION-MANAGER=local /bmsce-HP-Pro-

3330-MT : @ /tmp/.ICE-unix/1253,

unix /bmsce-HP-Pro-3330-MT:/tmp/

.ICE-unix/1253

QT_ACCESSIBILITY = 1

COLOR TERM = truecolor

XDG_CONFIG_DIRS = /etc/xdg/xdg-ubuntu:

/etc/xdg