A SKILLING PROJECT OUTPUT SCREENSHOTS

Submitted towards the professional course

19CS2106A Operating System Design

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TASK-1 | Shell

```
₹ osd-190031187@team-osd:~/190031187-xv6
```

TASK-2 | editor

```
₫ osd-190031187@team-osd:~/190031187-xv6
Booting from Hard Disk..xv6...
cpul: starting 1
cpu0: starting 0
sb: size 1000 nblocks 941 ninodes 200 nlog 30 logstart 2 inodestart 32 bmap sta8
init: starting sh
190031187$ editor sample
       input content:hello sample
  01|hello sample
>>> help
>>> instructions for use:
                  insert a line after line n
modify line n
delete line n
mod-n:
                 minsert a line after the last line modify the last line delete the last line enable show current contents after executing a command. disable show current contents after executing a command. save the file
mod:
hide:
                  exit editor
help info
color demo
help:
demo:
                  initial file
display with highlighting
rollback the file
disp:
rb:
 >>> disp
>>> the contents of the file are:
 001|// Create a NULL-terminated string by reading the provided file 002|static char* readShaderSource(const char* shaderFile)
                double ways = 100.43;
if (fp == NULL) {
    return NULL;
               fseek(fp, OL, SEEK END);
long size = ftell(fp);
fseek(fp, OL, SEEK_SET);
char* buf = new char[size + 1];
memset(buf, 0, size + 1);
fread(buf, 1, size, fp);
buf[size] = '\0';
fsless(fp);
                                                                                 //Initiate every bit of buf as 0
                return buf;
while (flag != 0) {
                for (int a = 10; a >= 0; a--) {
            float tmp_value = 20.5;
                                printf("the real value of variable tmp_value is:%f", tmp_value);
continue;
  27 // This is the Example for highlight of C - Language
 >>> exit
>>> save the file? y/n
```

TASK-3 | Is

```
₫ osd-190031187@team-osd:~/190031187-xv6
```

Porting xv6 with POSIX compliance + VFS + ulibc + ACPI | Task-4

₫ osd-190031187@team-osd:~/190031187-xv6/xv6

TASK-5 | Mirrored RAID feature

₹ osd-190031187@team-osd:~/190031187-xv6/task5

```
Booting from Hard Disk..xv6...
lapicinit: 1 0xfee00000
cpul: starting
cpu0: starting
init: starting sh
190031187$ tester
mirrored fs test
write done
read text = xxxxxxxxx 190031187$
190031187$ write2
Writing A
Writing B
Writing C
Writing D
Writing E
Writing F
Writing G
Writing H
Writing I
Writing J
Writing K
Writing L
Writing M
Writing N
Writing O
Writing P
Writing Q
Writing R
Writing S
Writing T
Writing U
Writing V
Writing W
Writing X
Writing Y
Writing Z
Writing [
Writing \
Writing ]
Writing
Writing _
Writing
Writing a
Writing b
Writing c
```

```
Writing d
Writing e
Writing f
Writing g
Writing h
Writing i
Writing j
Writing k
Writing 1
Writing m
Writing n
Writing o
Writing p
Writing q
Writing r
Writing s
Writing t
Writing u
Writing v
Writing w
Writing x
Writing y
Writing z
Writing {
Writing |
Writing }
Writing ~
Writing
Writing
Writing
Writing
Writing
Writing
Writing
Writing
Reading A
Reading B
Reading C
Reading D
Reading E
Reading F
Reading G
Reading H
Reading I
Reading J
Reading K
```

```
Writing L
Writing M
Writing N
Writing O
Writing P
Writing Q
Writing R
Writing S
Writing T
Writing U
Writing V
Writing W
Writing X
Writing Y
Writing Z
Writing [
Writing
Writing |
Writing ^
Writing _
Writing
Writing a
Writing b
Writing c
Writing d
Writing e
Writing f
Writing g
Writing h
Writing i
Writing j
Writing k
Writing 1
Writing m
Writing n
Writing o
Writing p
Writing q
Writing r
Writing s
Writing t
Writing u
Writing v
Writing w
Writing x
Writing y
```

```
Writing z
Writing {
Writing |
Writing }
Writing ~
Writing
Writing
Writing
Writing
Writing
Writing
Writing
Writing
Reading A
Reading B
Reading C
Reading D
Reading E
Reading F
Reading G
Reading H
Reading I
Reading J
Reading K
Reading L
Reading M
Reading N
Reading O
Reading P
Reading Q
Reading R
Reading S
Reading T
Reading U
Reading V
Reading W
Reading X
Reading Y
Reading Z
Reading [
Reading \
Reading ]
Reading ^
Reading
Reading
Reading a
```

