CSE 406

Operating Systems Lab

Lab Final

Submission Date: **20/10/2025**

Submitted by

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Section: **C-2**

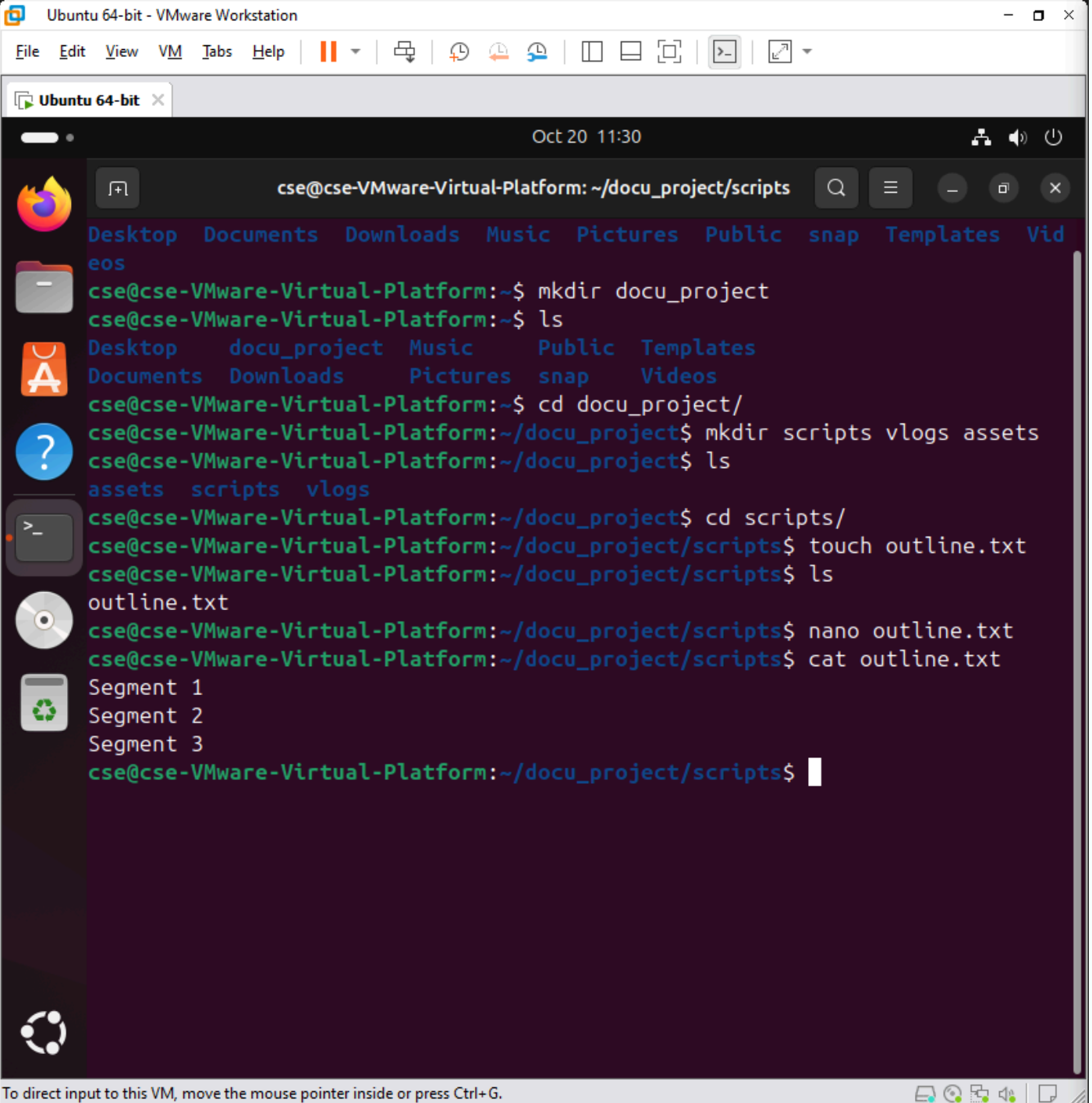Semester: **4-1**

Session: **Spring 2025**

Submitted to

Atia Rahman Orthi

Lecturer

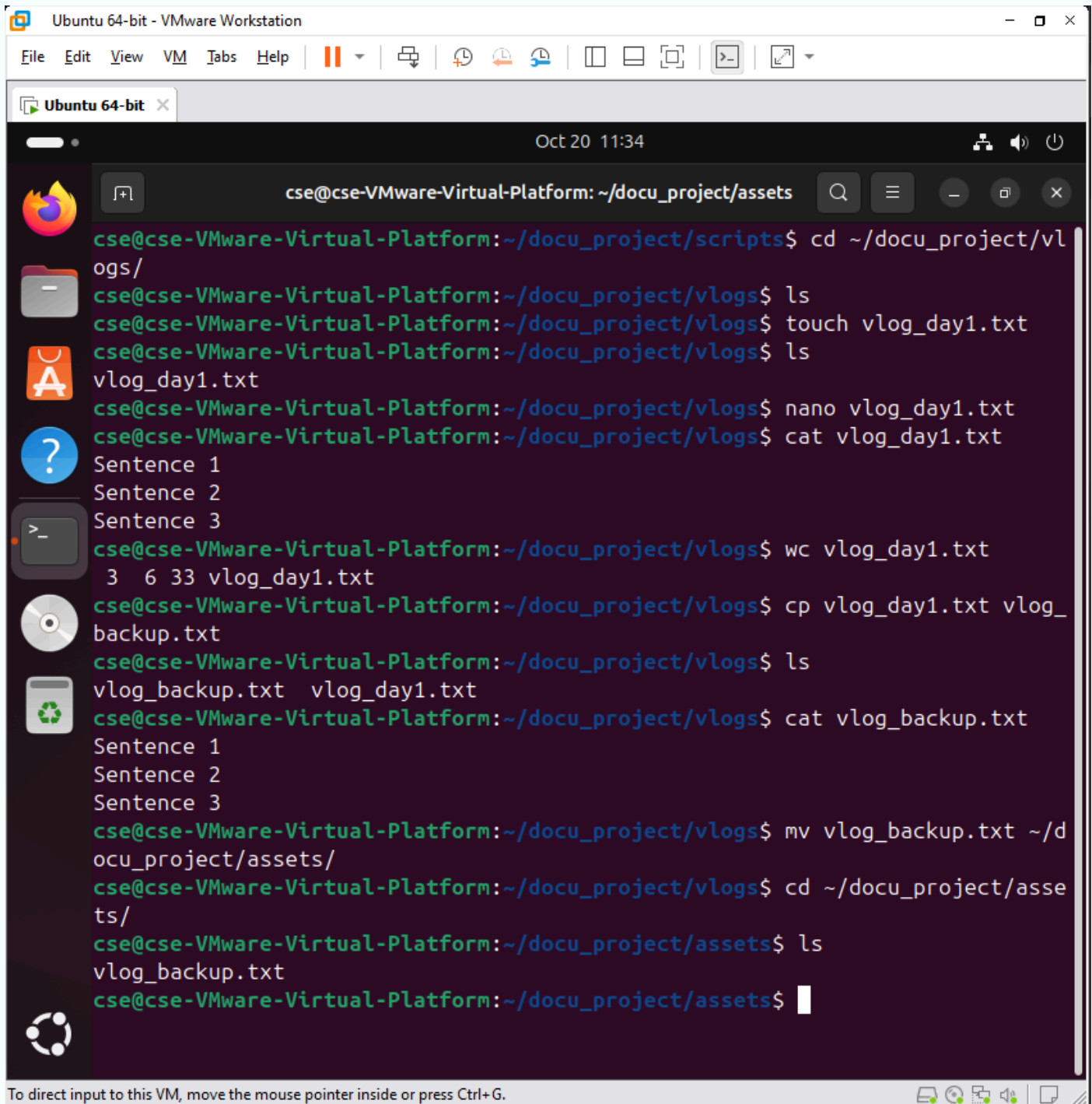**Department of Computer Science & Engineering**

University of Asia Pacific

Scenario 1: Initial Project Setup

```
Ubuntu 64-bit - VMware Workstation                                    –  □  ×

File   Edit   View   VM   Tabs   Help    ▮▮  ▾  |  🖥  |  🕐  🕐  🕐  |  ▯  ▭  ▱  |  >_  |  ⤢  ▾

🖥 Ubuntu 64-bit  ×

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        ⊞           cse@cse-VMware-Virtual-Platform: ~/docu_project/scripts    🔍  ≡   —  ◻  ×

        Desktop   Documents   Downloads   Music   Pictures   Public   snap   Templates   Vid
        eos
        cse@cse-VMware-Virtual-Platform:~$ mkdir docu_project
        cse@cse-VMware-Virtual-Platform:~$ ls
        Desktop      docu_project   Music       Public    Templates
        Documents   Downloads       Pictures    snap      Videos
        cse@cse-VMware-Virtual-Platform:~$ cd docu_project/
        cse@cse-VMware-Virtual-Platform:~/docu_project$ mkdir scripts vlogs assets
        cse@cse-VMware-Virtual-Platform:~/docu_project$ ls
        assets   scripts   vlogs
        cse@cse-VMware-Virtual-Platform:~/docu_project$ cd scripts/
        cse@cse-VMware-Virtual-Platform:~/docu_project/scripts$ touch outline.txt
        cse@cse-VMware-Virtual-Platform:~/docu_project/scripts$ ls
        outline.txt
        cse@cse-VMware-Virtual-Platform:~/docu_project/scripts$ nano outline.txt
        cse@cse-VMware-Virtual-Platform:~/docu_project/scripts$ cat outline.txt
        Segment 1
        Segment 2
        Segment 3
        cse@cse-VMware-Virtual-Platform:~/docu_project/scripts$ ▮




To direct input to this VM, move the mouse pointer inside or press Ctrl+G.
```
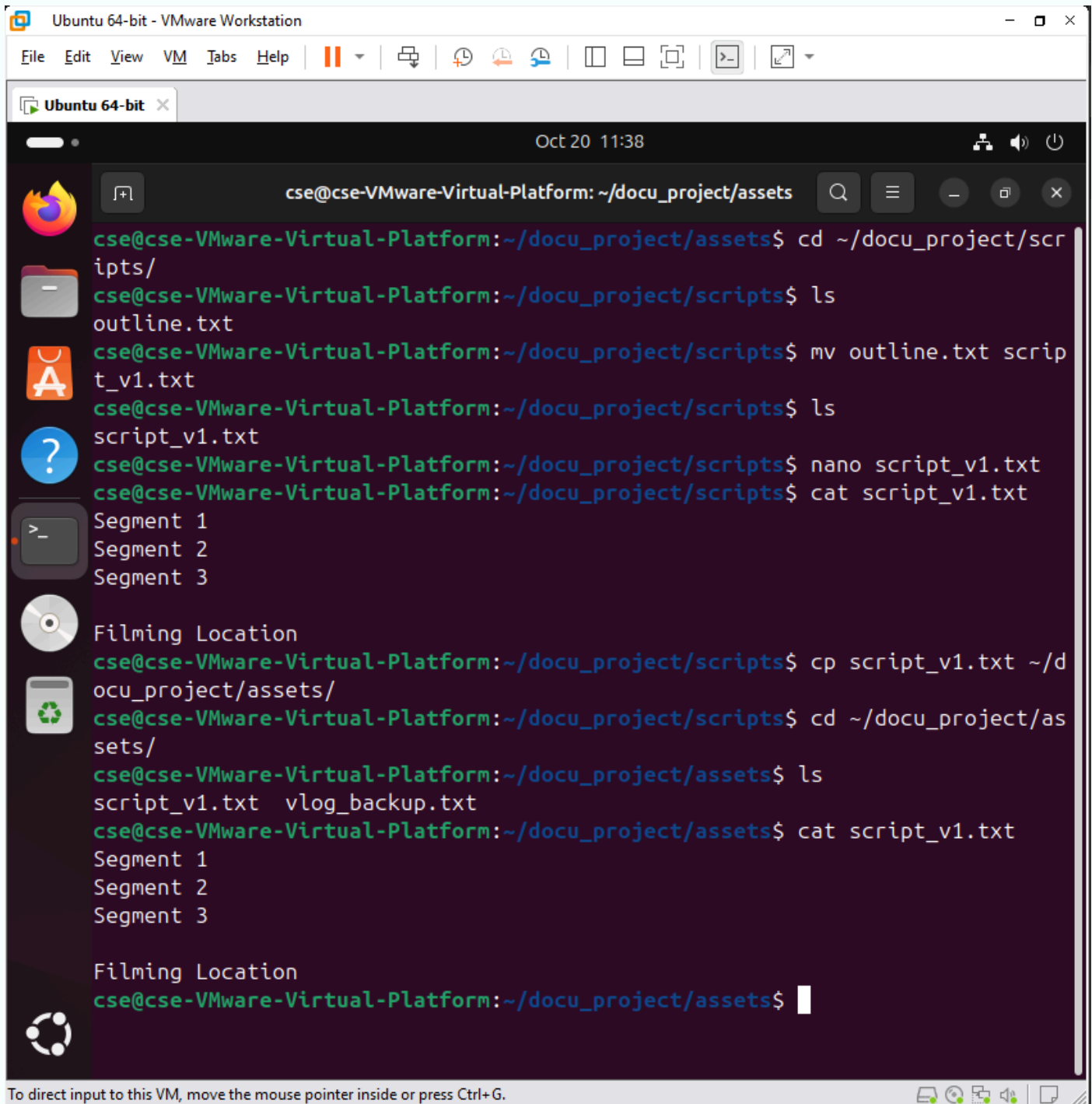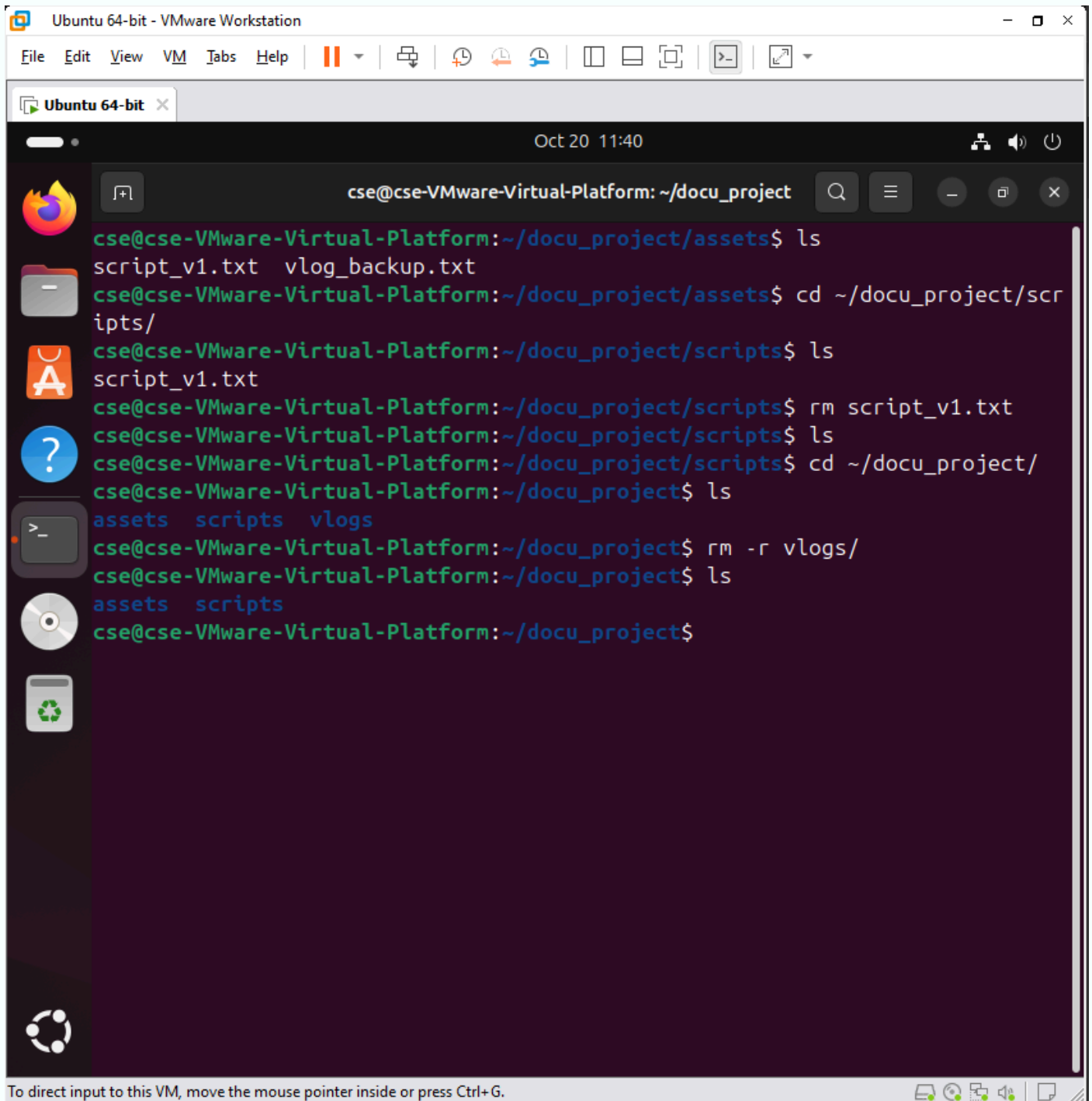
Scenario 2: Recording and Logging Vlogs


```
cse@cse-VMware-Virtual-Platform:~/docu_project/scripts$ cd ~/docu_project/vl
ogs/
cse@cse-VMware-Virtual-Platform:~/docu_project/vlogs$ ls
cse@cse-VMware-Virtual-Platform:~/docu_project/vlogs$ touch vlog_day1.txt
cse@cse-VMware-Virtual-Platform:~/docu_project/vlogs$ ls
vlog_day1.txt
cse@cse-VMware-Virtual-Platform:~/docu_project/vlogs$ nano vlog_day1.txt
cse@cse-VMware-Virtual-Platform:~/docu_project/vlogs$ cat vlog_day1.txt
Sentence 1
Sentence 2
Sentence 3
cse@cse-VMware-Virtual-Platform:~/docu_project/vlogs$ wc vlog_day1.txt
 3  6 33 vlog_day1.txt
cse@cse-VMware-Virtual-Platform:~/docu_project/vlogs$ cp vlog_day1.txt vlog_
backup.txt
cse@cse-VMware-Virtual-Platform:~/docu_project/vlogs$ ls
vlog_backup.txt  vlog_day1.txt
cse@cse-VMware-Virtual-Platform:~/docu_project/vlogs$ cat vlog_backup.txt
Sentence 1
Sentence 2
Sentence 3
cse@cse-VMware-Virtual-Platform:~/docu_project/vlogs$ mv vlog_backup.txt ~/d
ocu_project/assets/
cse@cse-VMware-Virtual-Platform:~/docu_project/vlogs$ cd ~/docu_project/asse
ts/
cse@cse-VMware-Virtual-Platform:~/docu_project/assets$ ls
vlog_backup.txt
cse@cse-VMware-Virtual-Platform:~/docu_project/assets$
```

Scenario 3: Updating Script and Archiving

```
cse@cse-VMware-Virtual-Platform:~/docu_project/assets$ cd ~/docu_project/scr
ipts/
cse@cse-VMware-Virtual-Platform:~/docu_project/scripts$ ls
outline.txt
cse@cse-VMware-Virtual-Platform:~/docu_project/scripts$ mv outline.txt scrip
t_v1.txt
cse@cse-VMware-Virtual-Platform:~/docu_project/scripts$ ls
script_v1.txt
cse@cse-VMware-Virtual-Platform:~/docu_project/scripts$ nano script_v1.txt
cse@cse-VMware-Virtual-Platform:~/docu_project/scripts$ cat script_v1.txt
Segment 1
Segment 2
Segment 3

Filming Location
cse@cse-VMware-Virtual-Platform:~/docu_project/scripts$ cp script_v1.txt ~/d
ocu_project/assets/
cse@cse-VMware-Virtual-Platform:~/docu_project/scripts$ cd ~/docu_project/as
sets/
cse@cse-VMware-Virtual-Platform:~/docu_project/assets$ ls
script_v1.txt  vlog_backup.txt
cse@cse-VMware-Virtual-Platform:~/docu_project/assets$ cat script_v1.txt
Segment 1
Segment 2
Segment 3

Filming Location
cse@cse-VMware-Virtual-Platform:~/docu_project/assets$
```

Scenario 4: Organizing and Cleaning Up


```
cse@cse-VMware-Virtual-Platform:~/docu_project/assets$ ls
script_v1.txt  vlog_backup.txt
cse@cse-VMware-Virtual-Platform:~/docu_project/assets$ cd ~/docu_project/scr
ipts/
cse@cse-VMware-Virtual-Platform:~/docu_project/scripts$ ls
script_v1.txt
cse@cse-VMware-Virtual-Platform:~/docu_project/scripts$ rm script_v1.txt
cse@cse-VMware-Virtual-Platform:~/docu_project/scripts$ ls
cse@cse-VMware-Virtual-Platform:~/docu_project/scripts$ cd ~/docu_project/
cse@cse-VMware-Virtual-Platform:~/docu_project$ ls
assets  scripts  vlogs
cse@cse-VMware-Virtual-Platform:~/docu_project$ rm -r vlogs/
cse@cse-VMware-Virtual-Platform:~/docu_project$ ls
assets  scripts
cse@cse-VMware-Virtual-Platform:~/docu_project$
```

Scenario 5: Final Report Compilation

File   Edit   View   VM   Tabs   Help

Ubuntu 64-bit

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cse@cse-VMware-Virtual-Platform: ~/docu_project/assets

```
cse@cse-VMware-Virtual-Platform:~/docu_project$ cd assets/
cse@cse-VMware-Virtual-Platform:~/docu_project/assets$ touch production_repo
rt.txt
cse@cse-VMware-Virtual-Platform:~/docu_project/assets$ ls
production_report.txt   script_v1.txt   vlog_backup.txt
cse@cse-VMware-Virtual-Platform:~/docu_project/assets$ nano production_repor
t.txt
cse@cse-VMware-Virtual-Platform:~/docu_project/assets$ cat production_report
.txt
Summary 1
Summary 2
Summary 3
Summary 4
Summary 5

cse@cse-VMware-Virtual-Platform:~/docu_project/assets$ wc production_report.
txt
 6 10 51 production_report.txt
cse@cse-VMware-Virtual-Platform:~/docu_project/assets$
```

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