## Software Engineering Homework 4

Group 63
Wolf Developers
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Github Link:- https://github.com/Rahil312/HW4

**Snapshot of Tasks:-**

## 1. Task 1

```
Downloads — -zsh — 106x25

[(base) rahilshukla@Rahils-MacBook-Pro-2 downloads % ./infinite.sh
[(base) rahilshukla@Rahils-MacBook-Pro-2 downloads % nano task1.sh
[(base) rahilshukla@Rahils-MacBook-Pro-2 downloads % chmod +x task1.sh
[(base) rahilshukla@Rahils-MacBook-Pro-2 downloads % ./task1.sh
killing the infinite process with Process ID: 78304
((base) rahilshukla@Rahils-MacBook-Pro-2 downloads % |
```

```
• • •
                                          Downloads — nano task1.sh — 106×25
 UW PICO 5.09
                                                               File: task1.sh
#!/bin/bash
pid=$(pgrep -f infinite.sh)
if [ -n "$pid" ]; then
    echo "Killing the infinite process with Process ID: $pid"
    kill -9 $pid
else
     echo "Infinite Process not found."
^G Get Help
^X Exit
                                                              ^Y Prev Pg
                                                                                   ^K Cut Text
^U UnCut Text
                                                                                                       ^C Cur Pos
^T To Spell
                     ^O WriteOut
                                         ^R Read File
                        Justify
                                            Where is
                                                              ^V Next Pg
```

## 2. Task 2

```
hw4 — -zsh — 86×28
[(base) rahilshukla@Rahils-MacBook-Pro-2 hw4 % nano task2.sh
[(base) rahilshukla@Rahils-MacBook-Pro-2 hw4 % chmod +x task2.sh
[(base) rahilshukla@Rahils-MacBook-Pro-2 hw4 % ./task2.sh
filtered_10
filtered_20
filtered_14
filtered_24
filtered_4
filtered_22
filtered_2
filtered_12
filtered_13
filtered_23
filtered_30
filtered_3
(base) rahilshukla@Rahils-MacBook-Pro-2 hw4 % |
```

```
📄 hw4 — nano task2.sh — 80×24
 UW PICO 5.09
                                           File: task2.sh
#!/bin/bash
cd dataset1/
# Print files containing "sample" and at least 3 occurrences of "CSC510"
grep -rl "sample" file* | xargs grep -c "CSC510" | \
grep -E ":[3-9][0-9]**" | \
sort -t: -k2,2nr | \
cut -d: -f1 | \
uniq | \
sed 's/file_/filtered_/' | \
xargs printf "%s\n"
              ^O WriteOut
                            ^R Read File ^Y Prev Pg
                                                         ^K Cut Text ^C Cur Pos
^G Get Help
^X Exit
              ^J Justify
                            ^W Where is
                                           ^V Next Pg
                                                         ^U UnCut Text<mark>^T</mark> To Spell
```

## 3. Task 3

