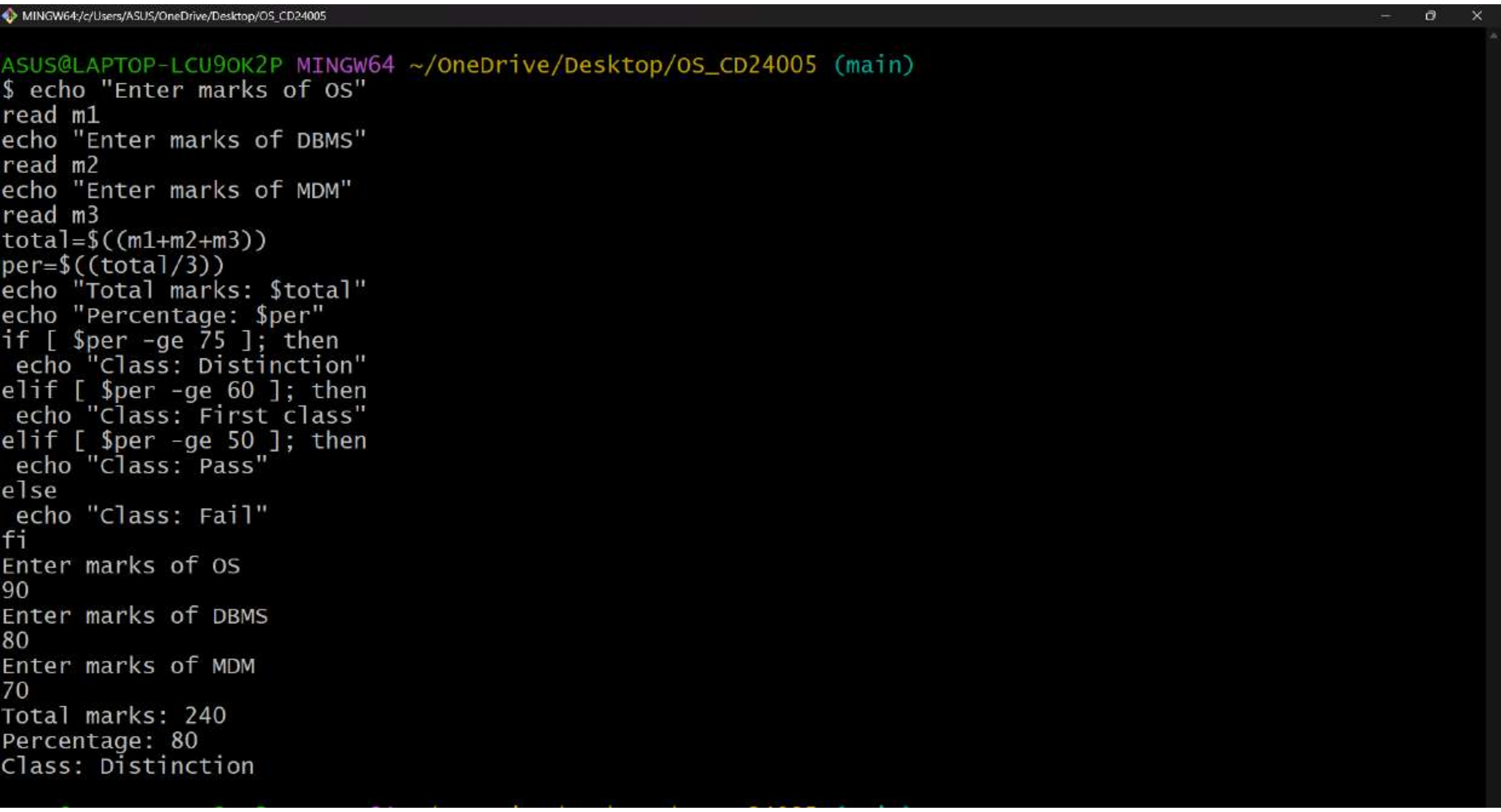
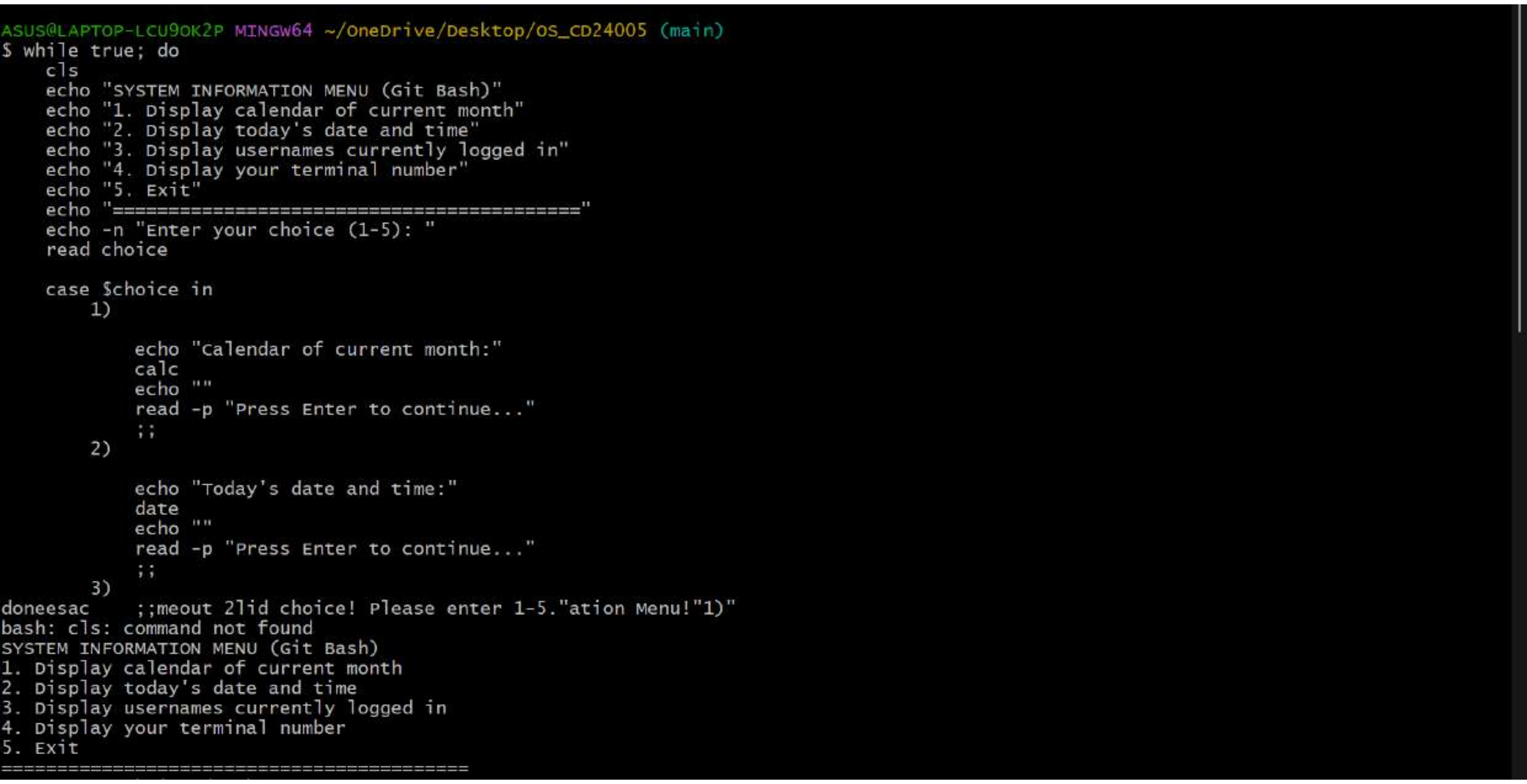
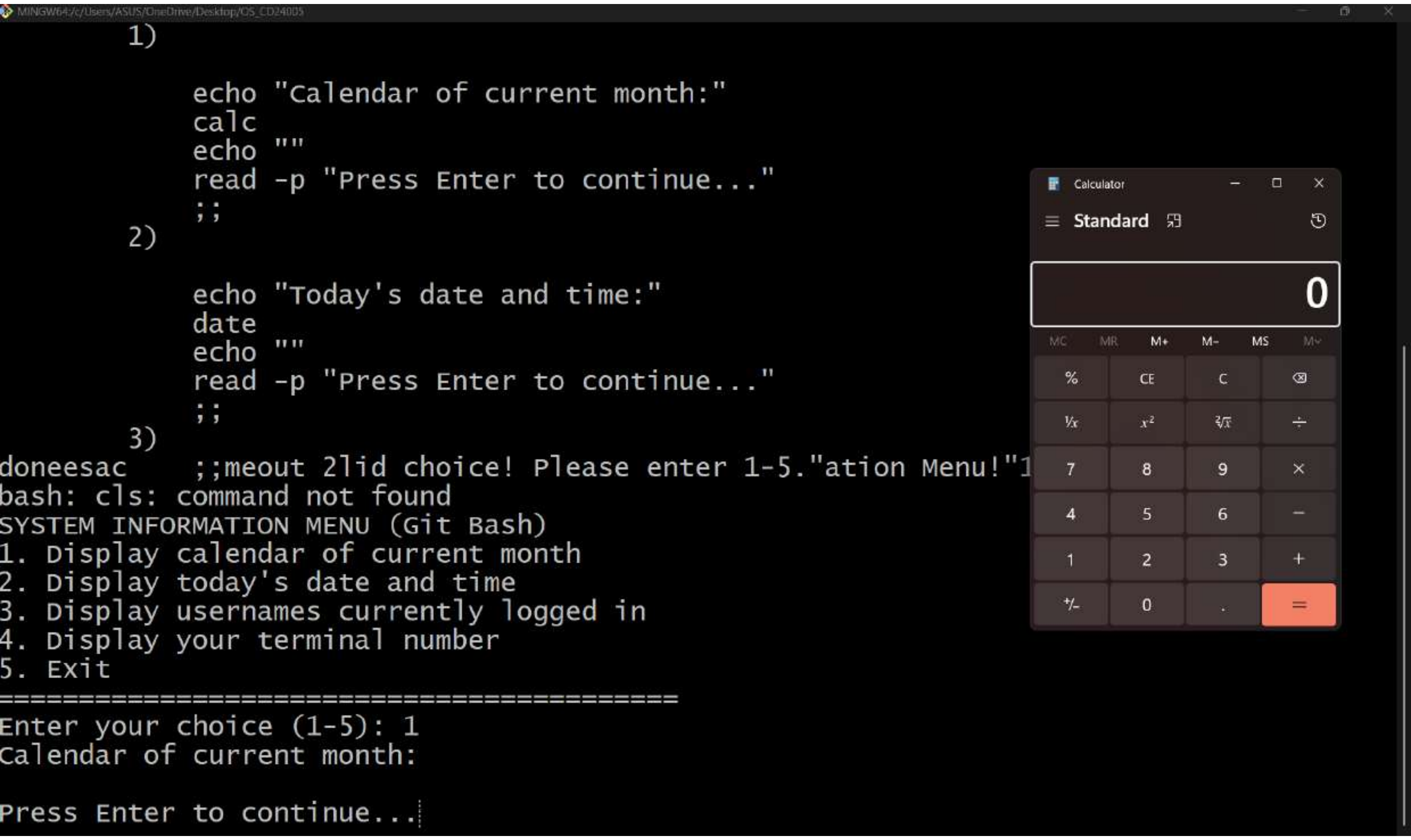


```
ASUS@LAPTOP-LCU9OK2P MINGW64 ~/OneDrive/Desktop/OS_CD24005 (main)
$ echo "Enter marks of OS"
read m1
echo "Enter marks of DBMS"
read m2
echo "Enter marks of MDM"
read m3
total=$((m1+m2+m3))
per=$((total/3))
echo "Total marks: $total"
echo "Percentage: $per"
if [ $per -ge 75 ]; then
 echo "Class: Distinction"
elif [ $per -ge 60 ]; then
 echo "Class: First class"
elif [ $per -ge 50 ]; then
 echo "Class: Pass"
else
 echo "Class: Fail"
fi
Enter marks of OS
90
Enter marks of DBMS
80
Enter marks of MDM
70
Total marks: 240
Percentage: 80
Class: Distinction
```

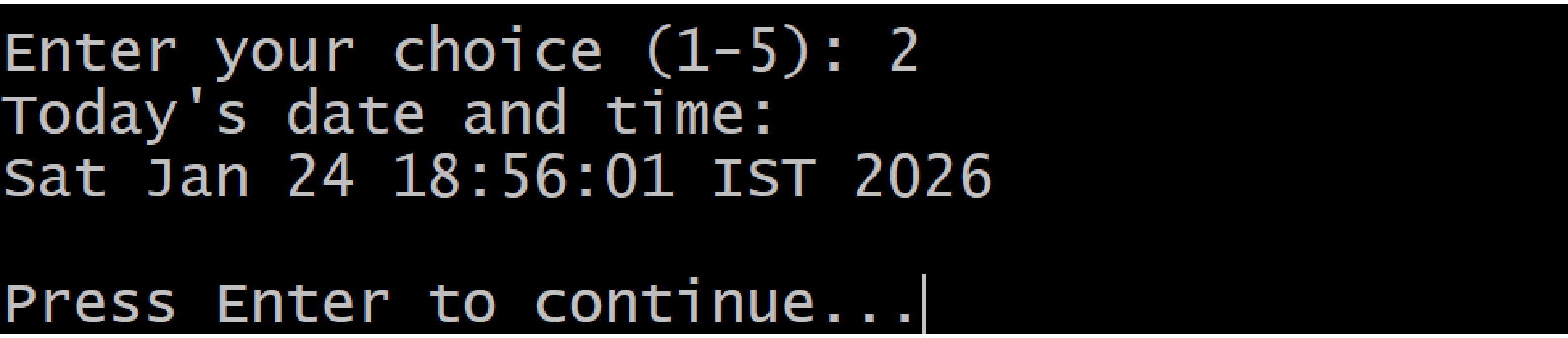


```
ASUS@LAPTOP-LCU9OK2P MINGW64 ~/OneDrive/Desktop/OS_CD24005 (main)
$ while true; do
    cls
    echo "SYSTEM INFORMATION MENU (Git Bash)"
    echo "1. Display calendar of current month"
    echo "2. Display today's date and time"
    echo "3. Display usernames currently logged in"
    echo "4. Display your terminal number"
    echo "5. Exit"
    echo "=========================================="
    echo -n "Enter your choice (1-5): "
    read choice

    case $choice in
        1)

            echo "Calendar of current month:"
            calc
            echo ""
            read -p "Press Enter to continue..."
            ;;
        2)

            echo "Today's date and time:"
            date
            echo ""
            read -p "Press Enter to continue..."
            ;;
        3)
doneesac    ;;meout 2lid choice! Please enter 1-5."ation Menu!"1)"
bash: cls: command not found
SYSTEM INFORMATION MENU (Git Bash)
1. Display calendar of current month
2. Display today's date and time
3. Display usernames currently logged in
4. Display your terminal number
5. Exit
==========================================
```

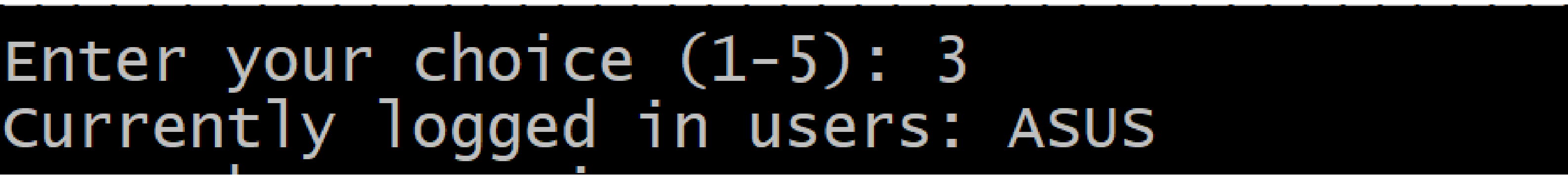


MINGW64:/c/Users/ASUS/OneDrive/Desktop/OS_CD24005

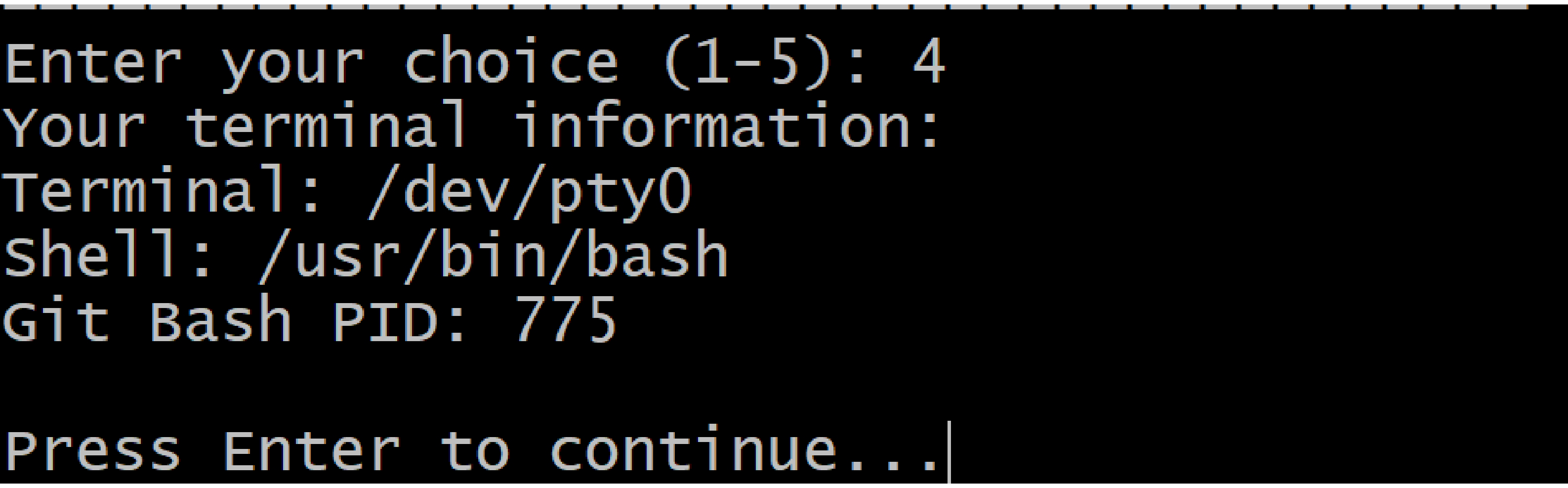
```
        1)

            echo "Calendar of current month:"
            calc
            echo ""
            read -p "Press Enter to continue..."
            ;;
        2)

            echo "Today's date and time:"
            date
            echo ""
            read -p "Press Enter to continue..."
            ;;
        3)
doneesac    ;;meout 2lid choice! Please enter 1-5."ation Menu!"1
bash: cls: command not found
SYSTEM INFORMATION MENU (Git Bash)
1. Display calendar of current month
2. Display today's date and time
3. Display usernames currently logged in
4. Display your terminal number
5. Exit
==========================================
Enter your choice (1-5): 1
Calendar of current month:

Press Enter to continue...
```



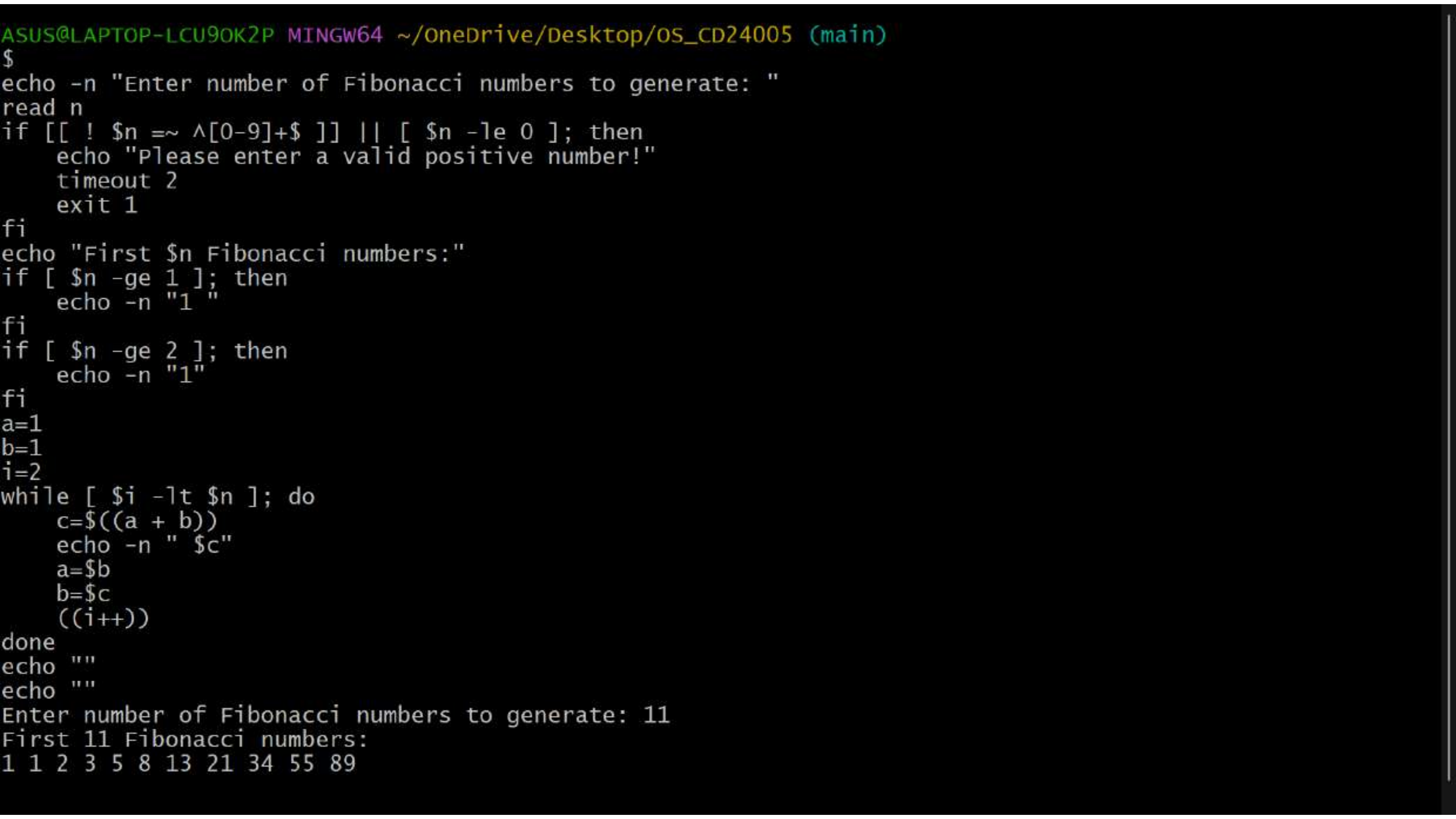
```
Enter your choice (1-5): 2
Today's date and time:
Sat Jan 24 18:56:01 IST 2026

Press Enter to continue...
```



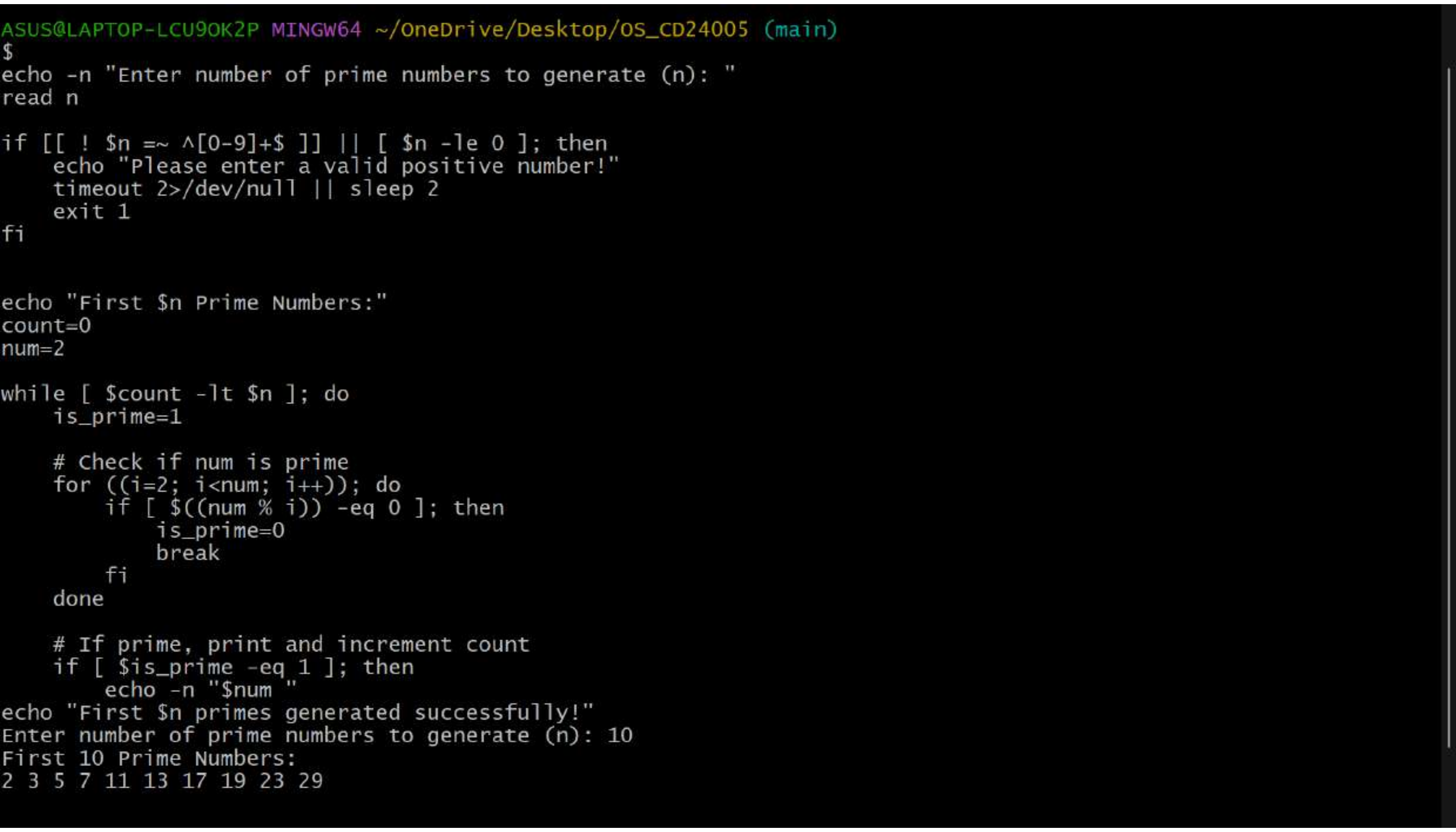
```
Enter your choice (1-5): 3
Currently logged in users: ASUS
```



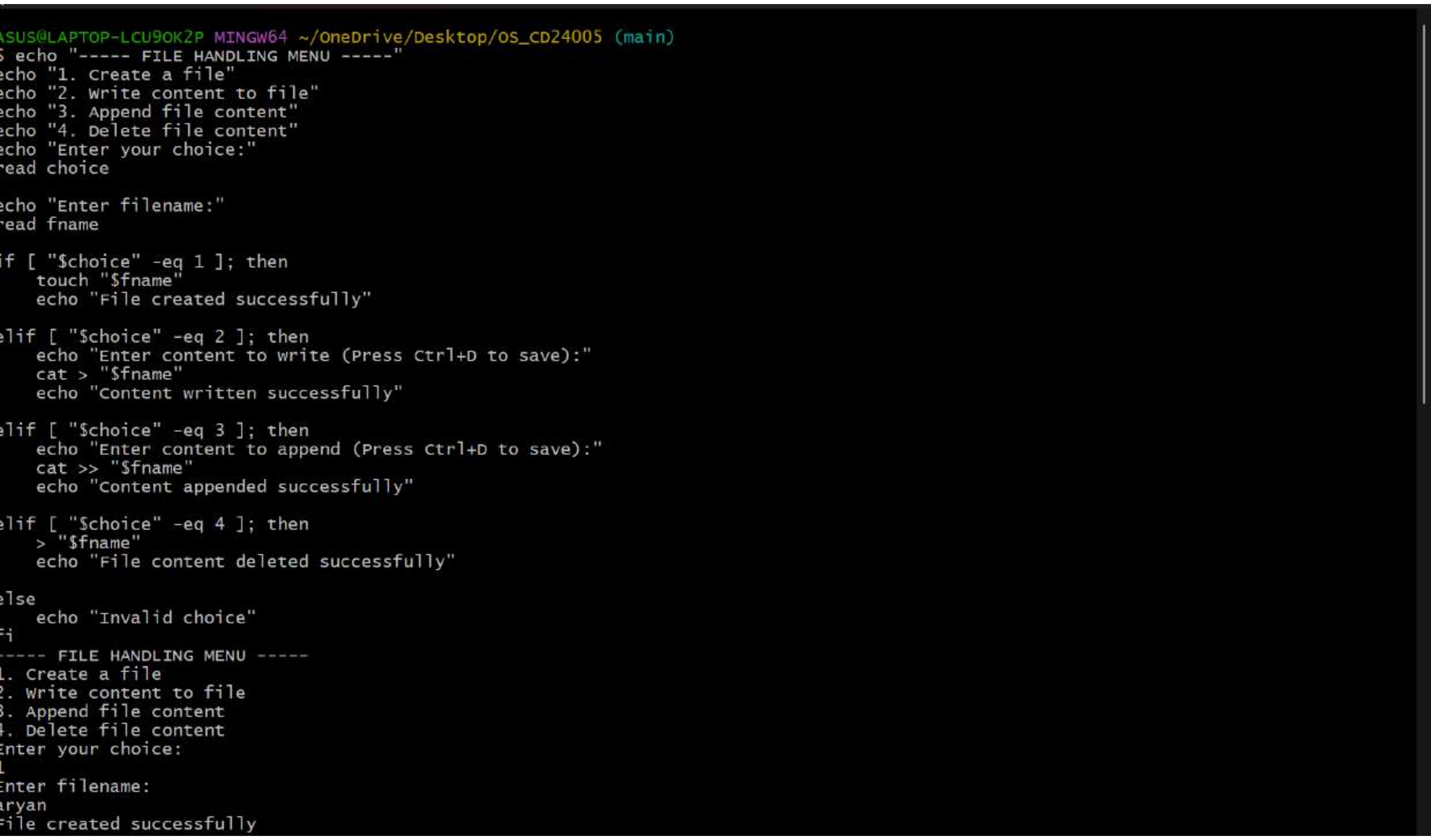
```
------------------------------------------
Enter your choice (1-5): 4
Your terminal information:
Terminal: /dev/pty0
Shell: /usr/bin/bash
Git Bash PID: 775

Press Enter to continue...
```



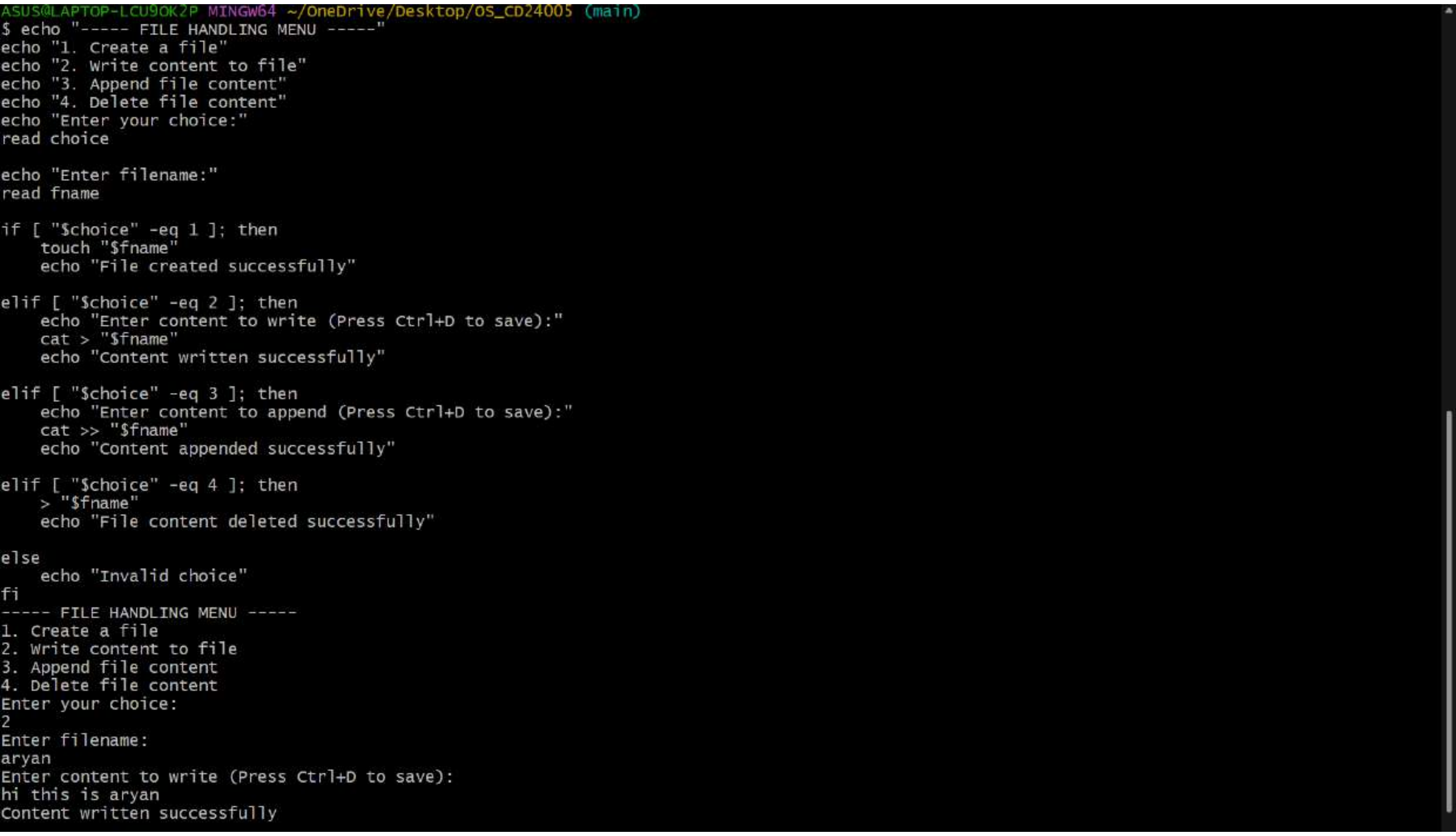
```
ASUS@LAPTOP-LCU9OK2P MINGW64 ~/OneDrive/Desktop/OS_CD24005 (main)
$
echo -n "Enter number of Fibonacci numbers to generate: "
read n
if [[ ! $n =~ ^[0-9]+$ ]] || [ $n -le 0 ]; then
    echo "Please enter a valid positive number!"
    timeout 2
    exit 1
fi
echo "First $n Fibonacci numbers:"
if [ $n -ge 1 ]; then
    echo -n "1 "
fi
if [ $n -ge 2 ]; then
    echo -n "1"
fi
a=1
b=1
i=2
while [ $i -lt $n ]; do
    c=$((a + b))
    echo -n " $c"
    a=$b
    b=$c
    ((i++))
done
echo ""
echo ""
Enter number of Fibonacci numbers to generate: 11
First 11 Fibonacci numbers:
1 1 2 3 5 8 13 21 34 55 89
```



```
ASUS@LAPTOP-LCU9OK2P MINGW64 ~/OneDrive/Desktop/OS_CD24005 (main)
$
echo -n "Enter number of prime numbers to generate (n): "
read n

if [[ ! $n =~ ^[0-9]+$ ]] || [ $n -le 0 ]; then
    echo "Please enter a valid positive number!"
    timeout 2>/dev/null || sleep 2
    exit 1
fi


echo "First $n Prime Numbers:"
count=0
num=2

while [ $count -lt $n ]; do
    is_prime=1

    # Check if num is prime
    for ((i=2; i<num; i++)); do
        if [ $((num % i)) -eq 0 ]; then
            is_prime=0
            break
        fi
    done

    # If prime, print and increment count
    if [ $is_prime -eq 1 ]; then
        echo -n "$num "
echo "First $n primes generated successfully!"
Enter number of prime numbers to generate (n): 10
First 10 Prime Numbers:
2 3 5 7 11 13 17 19 23 29
```



```
ASUS@LAPTOP-LCU9OK2P MINGW64 ~/OneDrive/Desktop/OS_CD24005 (main)
$ echo "----- FILE HANDLING MENU -----"
echo "1. Create a file"
echo "2. Write content to file"
echo "3. Append file content"
echo "4. Delete file content"
echo "Enter your choice:"
read choice

echo "Enter filename:"
read fname

if [ "$choice" -eq 1 ]; then
    touch "$fname"
    echo "File created successfully"

elif [ "$choice" -eq 2 ]; then
    echo "Enter content to write (Press Ctrl+D to save):"
    cat > "$fname"
    echo "Content written successfully"

elif [ "$choice" -eq 3 ]; then
    echo "Enter content to append (Press Ctrl+D to save):"
    cat >> "$fname"
    echo "Content appended successfully"

elif [ "$choice" -eq 4 ]; then
    > "$fname"
    echo "File content deleted successfully"

else
    echo "Invalid choice"
fi
----- FILE HANDLING MENU -----
1. Create a file
2. Write content to file
3. Append file content
4. Delete file content
Enter your choice:
1
Enter filename:
aryan
File created successfully
```



```
ASUS@LAPTOP-LCU9OK2P MINGW64 ~/OneDrive/Desktop/OS_CD24005 (main)
$ echo "----- FILE HANDLING MENU -----"
echo "1. Create a file"
echo "2. Write content to file"
echo "3. Append file content"
echo "4. Delete file content"
echo "Enter your choice:"
read choice

echo "Enter filename:"
read fname

if [ "$choice" -eq 1 ]; then
    touch "$fname"
    echo "File created successfully"

elif [ "$choice" -eq 2 ]; then
    echo "Enter content to write (Press Ctrl+D to save):"
    cat > "$fname"
    echo "Content written successfully"

elif [ "$choice" -eq 3 ]; then
    echo "Enter content to append (Press Ctrl+D to save):"
    cat >> "$fname"
    echo "Content appended successfully"

elif [ "$choice" -eq 4 ]; then
    > "$fname"
    echo "File content deleted successfully"

else
    echo "Invalid choice"
fi
----- FILE HANDLING MENU -----
1. Create a file
2. Write content to file
3. Append file content
4. Delete file content
Enter your choice:
2
Enter filename:
aryan
Enter content to write (Press Ctrl+D to save):
hi this is aryan
Content written successfully
```