

```
echo "Enter marks of subject 1:"
read m1
echo "Enter marks of subject 2:"
read m2
echo "Enter marks of subject 3:"
read m3

total=$((m1 + m2 + m3))
percentage=$((total / 3))

echo "Total Marks: $total"
echo "Percentage: $percentage%"

if [ $percentage -ge 75 ]
then
echo "Class: Distinction"
elif [ $percentage -ge 60 ]
then
echo "Class: First Class"
elif [ $percentage -ge 40 ]
then
echo "Class: Pass"
else
echo "Class: Fail"
fi
```

[ Read 27 Lines ]

^G Help	^O Write Out	^F Where Is	^K Cut	^T Execute	^C Location	^U Undo	^M-A Set Mark	^M-J To Bracket	^M-B Previous	^_ Back	^_ Prev word
^X Exit	^R Read File	^N Replace	^V Paste	^J Justify	^_ Go To Line	^M-E Redo	^M-G Copy	^M-W where was	^M-F Next	^_ Forward	^_ Next word

```
MINGW64~/Users/hp/OneDrive/Desktop/shell_practical
hp@LAPTOP-K09EQW65 MINGW64 ~/OneDrive/Desktop (master)
$ mkdir shell_practical
hp@LAPTOP-K09EQW65 MINGW64 ~/OneDrive/Desktop (master)
$ cd shell_practical
hp@LAPTOP-K09EQW65 MINGW64 ~/OneDrive/Desktop/shell_practical (master)
$ touch practical1.sh
hp@LAPTOP-K09EQW65 MINGW64 ~/OneDrive/Desktop/shell_practical (master)
$ nano practical1.sh
hp@LAPTOP-K09EQW65 MINGW64 ~/OneDrive/Desktop/shell_practical (master)
$
hp@LAPTOP-K09EQW65 MINGW64 ~/OneDrive/Desktop/shell_practical (master)
$ nano practical1.sh
hp@LAPTOP-K09EQW65 MINGW64 ~/OneDrive/Desktop/shell_practical (master)
$ chmod +x practical1.sh
hp@LAPTOP-K09EQW65 MINGW64 ~/OneDrive/Desktop/shell_practical (master)
$ ./practical1.sh
Enter marks of subject 1:
99
Enter marks of subject 2:
99
Enter marks of subject 3:
99
Total Marks: 297
Percentage: 99%
Class: Distinction
hp@LAPTOP-K09EQW65 MINGW64 ~/OneDrive/Desktop/shell_practical (master)
$
```

```
MINGW64/c:/Users/hp/OneDrive/Desktop/shell_practical
hp@LAPTOP-K09EQW65 MINGW64 ~/OneDrive/Desktop (master)
$ mkdir shell_practical
hp@LAPTOP-K09EQW65 MINGW64 ~/OneDrive/Desktop (master)
$ cd shell_practical
hp@LAPTOP-K09EQW65 MINGW64 ~/OneDrive/Desktop/shell_practical (master)
$ touch practical1.sh
hp@LAPTOP-K09EQW65 MINGW64 ~/OneDrive/Desktop/shell_practical (master)
$ nano practical1.sh
hp@LAPTOP-K09EQW65 MINGW64 ~/OneDrive/Desktop/shell_practical (master)
$
hp@LAPTOP-K09EQW65 MINGW64 ~/OneDrive/Desktop/shell_practical (master)
$ nano practical1.sh
hp@LAPTOP-K09EQW65 MINGW64 ~/OneDrive/Desktop/shell_practical (master)
$ chmod +x practical1.sh
hp@LAPTOP-K09EQW65 MINGW64 ~/OneDrive/Desktop/shell_practical (master)
$ ./practical1.sh
Enter marks of subject 1:
99
Enter marks of subject 2:
99
Enter marks of subject 3:
99
Total Marks: 297
Percentage: 99%
Class: Distinction
hp@LAPTOP-K09EQW65 MINGW64 ~/OneDrive/Desktop/shell_practical (master)
$
```

```
#!/bin/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 terminal number"
echo "Enter your choice:"
read ch

case $ch in
1) cal ;;
2) date ;;
3) who ;;
4) tty ;;
*) echo "Invalid choice" ;;
esac
```

Wrote 16 Lines

```
hp@LAPTOP-K09EGM65 MINGW64 ~/OneDrive/Desktop (master)
$ mkdir shell_practical

hp@LAPTOP-K09EGM65 MINGW64 ~/OneDrive/Desktop (master)
$ cd shell_practical

hp@LAPTOP-K09EGM65 MINGW64 ~/OneDrive/Desktop/shell_practical (master)
$ touch practical1.sh

hp@LAPTOP-K09EGM65 MINGW64 ~/OneDrive/Desktop/shell_practical (master)
$ nano practical1.sh

hp@LAPTOP-K09EGM65 MINGW64 ~/OneDrive/Desktop/shell_practical (master)
$

hp@LAPTOP-K09EGM65 MINGW64 ~/OneDrive/Desktop/shell_practical (master)
$ nano practical1.sh

hp@LAPTOP-K09EGM65 MINGW64 ~/OneDrive/Desktop/shell_practical (master)
$ chmod +x practical1.sh

hp@LAPTOP-K09EGM65 MINGW64 ~/OneDrive/Desktop/shell_practical (master)
$ ./practical1.sh
Enter marks of subject 1:
99
Enter marks of subject 2:
99
Enter marks of subject 3:
99
Total Marks: 297
Percentage: 99%
Class: Distinction

hp@LAPTOP-K09EGM65 MINGW64 ~/OneDrive/Desktop/shell_practical (master)
$ touch practical2.sh

hp@LAPTOP-K09EGM65 MINGW64 ~/OneDrive/Desktop/shell_practical (master)
$ nano practical2.sh

hp@LAPTOP-K09EGM65 MINGW64 ~/OneDrive/Desktop/shell_practical (master)
$ chmod +x practical1.sh

hp@LAPTOP-K09EGM65 MINGW64 ~/OneDrive/Desktop/shell_practical (master)
$ ./practical2.sh
1. Display calendar of current month
2. Display today's date and time
3. Display usernames currently logged in
4. Display terminal number
Enter your choice:
2
Tue Jan 20 22:56:14 IST 2026

hp@LAPTOP-K09EGM65 MINGW64 ~/OneDrive/Desktop/shell_practical (master)
$
```

#!/bin/bash

echo "Enter number of terms:"

read n

a=1

b=1

echo "Fibonacci series:"

echo \$a

echo \$b

for (( i=3; i&lt;=n; i++ ))

do

c=\$((a + b))

echo \$c

a=\$b

b=\$c

done

AG Help

AX Exit

AD Write Out

AR Read File

AF Where Is

AI Replace

AK Cut

AP Paste

AJ Execute

AJ Justify

AL Location

A/ Go To Line

M-U Undo

M-E Redo

M-A Set Mark

M-S Copy

M-] To Bracket

AB Where Was

M-B Previous

M-F Next

+ Back

+ Forward

A+ Prev Word

A+ Next Word

1 (master)

1 (master)

1 (master)

ory

1 (master)

1 (master)

1 (master)

1 (master)

Enter marks of subject 2:

99

Enter marks of subject 3:

99

Total Marks: 297

Percentage: 99%

Class: Distinction

hp@LAPTOP-K09EGM65 MINGW64 ~/OneDrive/Desktop/shell\_practical (master)  
\$ touch practical2.sh

hp@LAPTOP-K09EGM65 MINGW64 ~/OneDrive/Desktop/shell\_practical (master)  
\$ nano practical2.sh

hp@LAPTOP-K09EGM65 MINGW64 ~/OneDrive/Desktop/shell\_practical (master)  
\$ chmod +x practical1.sh

hp@LAPTOP-K09EGM65 MINGW64 ~/OneDrive/Desktop/shell\_practical (master)  
\$ ./practical2.sh

1. Display calendar of current month
2. Display today's date and time
3. Display usernames currently logged in
4. Display terminal number

Enter your choice:

2

Tue Jan 20 22:56:14 IST 2026

hp@LAPTOP-K09EGM65 MINGW64 ~/OneDrive/Desktop/shell\_practical (master)  
\$ touch practical3.sh

hp@LAPTOP-K09EGM65 MINGW64 ~/OneDrive/Desktop/shell\_practical (master)  
\$ nano practical3.sh

hp@LAPTOP-K09EGM65 MINGW64 ~/OneDrive/Desktop/shell\_practical (master)  
\$ chmod +x practical4.sh  
chmod: cannot access 'practical4.sh': No such file or directory

hp@LAPTOP-K09EGM65 MINGW64 ~/OneDrive/Desktop/shell\_practical (master)  
\$ ./practical4.sh  
bash: ./practical4.sh: No such file or directory

hp@LAPTOP-K09EGM65 MINGW64 ~/OneDrive/Desktop/shell\_practical (master)  
\$ chmod +x practical3.sh

hp@LAPTOP-K09EGM65 MINGW64 ~/OneDrive/Desktop/shell\_practical (master)  
\$ ./practical3.sh

Enter number of terms:

6

Fibonacci series:

1

1

2

3

5

8

hp@LAPTOP-K09EGM65 MINGW64 ~/OneDrive/Desktop/shell\_practical (master)  
\$



MINGW64:/c/Users/hp/OneDrive/Desktop/shell\_practical

GNU nano 8.7

practical4.sh

#!/bin/bash

```
echo "Enter how many prime numbers:"
```

```
read n
```

```
count=0
```

```
num=2
```

```
while [ $count -lt $n ]
```

```
do
```

```
  flag=1
```

```
  for (( i=2; i<=num/2; i++ ))
```

```
  do
```

```
    if [ $((num % i)) -eq 0 ]
```

```
    then
```

```
      flag=0
```

```
      break
```

```
    fi
```

```
  done
```

```
  if [ $flag -eq 1 ]
```

```
  then
```

```
    echo $num
```

```
    count=$((count + 1))
```

```
  fi
```

```
  num=$((num + 1))
```

```
done
```

Wrote 28 lines

^G Help

^X Exit

^O Write Out

^R Read File

^F Where Is

^\_ Replace

^K Cut

^U Paste

^T Execute

^J Justify

^C Location

^\_ Go To Line

M-U Undo

M-E Redo

20°C  
Mostly clear



Search



```
MINGW64:/c:/Users/hp/OneDrive/Desktop/shell_practical
bash: ./practical4.sh: No such file or directory

hp0LAPTOP-K09EQM65 MINGW64 ~/OneDrive/Desktop/shell_practical (master)
$ chmod +x practical3.sh

hp0LAPTOP-K09EQM65 MINGW64 ~/OneDrive/Desktop/shell_practical (master)
$ ./practical3.sh
Enter number of terms:
6
Fibonacci series:
1
1
2
3
5
8

hp0LAPTOP-K09EQM65 MINGW64 ~/OneDrive/Desktop/shell_practical (master)
$ touch practical4.sh

hp0LAPTOP-K09EQM65 MINGW64 ~/OneDrive/Desktop/shell_practical (master)
$ nano practical4.sh

hp0LAPTOP-K09EQM65 MINGW64 ~/OneDrive/Desktop/shell_practical (master)
$ chmod +x practical4.sh

hp0LAPTOP-K09EQM65 MINGW64 ~/OneDrive/Desktop/shell_practical (master)
$ ./practical4.sh
hp0LAPTOP-K09EQM65 MINGW64 ~/OneDrive/Desktop/shell_practical (master)
./practical3.sh
Enter number of terms:
6
Fibonacci series:
Enter how many prime numbers:
5
2
3
5
7
11
bash: syntax error near unexpected token '('
bash: $: command not found
bash: Enter: command not found
bash: 6: command not found
bash: Fibonacci: command not found

hp0LAPTOP-K09EQM65 MINGW64 ~/OneDrive/Desktop/shell_practical (master)
$ ./practical4.sh
Enter how many prime numbers:
5
2
3
5
7
11

hp0LAPTOP-K09EQM65 MINGW64 ~/OneDrive/Desktop/shell_practical (master)
$ |
```

```
pe
created"

- content:"
it
ent"> $fname

- content:"
it
ent">> $fname

content deleted"

lid choice"
```

AD Write Out	AF Where Is	AK Cut	AT Execute	AC Location	M-U Undo	M-A Set Mark	M-] To Bracket	M-B Previous	• Back	^• Prev Word
AR Read File	A\ Replace	AU Paste	AJ Justify	A/ Go To Line	M-E Redo	M-G Copy	AB Where Was	M-F Next	• Forward	^• Next Word

The screenshot shows a Windows terminal window with the title bar "MINGW64/c:/Users/hp/OneDrive/Desktop/shell\_practical". The terminal window has a blue header bar with "GNU nano 8.7" on the left, "practical5.sh" in the center, and "Modified" on the right. The terminal content shows a shell script being executed in a bash shell. The script prompts the user to choose an option (1-4) and then performs the corresponding action: creating a file, writing to a file, appending to a file, or deleting file content. The user has entered '1' and 'practical5.sh' as the filename. A Snipping Tool notification is visible in the bottom right corner, indicating that a screenshot has been copied to the clipboard and saved to the screenshots folder.

```

GNU nano 8.7 practical5.sh Modified
#1/bin/bash

echo "1. Create file"
echo "2. Write to file"
echo "3. Append to file"
echo "4. Delete file content"
echo "Enter your choice:"
read ch

echo "Enter filename:"
read fname

case $ch in
1)
touch $fname
echo "File created"
;;
2)
echo "Enter content:"
read content
echo "$content" > $fname
;;
3)
echo "Enter content:"
read content
echo "$content" >> $fname
;;
4)
> $fname
echo "File content deleted"
;;
*)
echo "Invalid choice"
;;
esac

```

Snipping Tool

Screenshot copied to clipboard  
Automatically saved to screenshots folder.

Markup and share

```
MINGW64~/Users/hp/OneDrive/Desktop/shell_practical
$ nano practical4.sh
hp@LAPTOP-K09EQM65 MINGW64 ~/OneDrive/Desktop/shell_practical (master)
$ chmod +x practical4.sh
hp@LAPTOP-K09EQM65 MINGW64 ~/OneDrive/Desktop/shell_practical (master)
$ ./practical4.sh
hp@LAPTOP-K09EQM65 MINGW64 ~/OneDrive/Desktop/shell_practical (master)
$ ./practical3.sh
Enter number of terms:
6
Fibonacci series:
Enter how many prime numbers:
5
2
2
3
7
11
bash: syntax error near unexpected token '('
bash: $: command not found
bash: Enter: command not found
bash: 6: command not found
bash: Fibonacci: command not found
hp@LAPTOP-K09EQM65 MINGW64 ~/OneDrive/Desktop/shell_practical (master)
$ ./practical4.sh
Enter how many prime numbers:
5
3
5
7
11
hp@LAPTOP-K09EQM65 MINGW64 ~/OneDrive/Desktop/shell_practical (master)
$ touch practical5.sh
hp@LAPTOP-K09EQM65 MINGW64 ~/OneDrive/Desktop/shell_practical (master)
$ nano practical5.sh
hp@LAPTOP-K09EQM65 MINGW64 ~/OneDrive/Desktop/shell_practical (master)
$ chmod +x practical5.sh
hp@LAPTOP-K09EQM65 MINGW64 ~/OneDrive/Desktop/shell_practical (master)
$ ./practical5.sh
1. Create file
2. Write to file
3. Append to file
4. Delete file content
Enter your choice:
1
Enter filename:
sarang
File created
hp@LAPTOP-K09EQM65 MINGW64 ~/OneDrive/Desktop/shell_practical (master)
```