```bash
#!/bin/bash
echo "Enter Student Name:"
read name

echo "Enter marks of 3 subjects:"
read m1
read m2
read m3

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

if [ $per -ge 75 ]; then
  class="Distinction"
elif [ $per -ge 60 ]; then
  class="First Class"
elif [ $per -ge 50 ]; then
  class="Second Class"
elif [ $per -ge 40 ]; then
  class="Pass"
else
  class="Fail"
fi

echo "Name: $name"
echo "Total Marks: $total"
echo "Percentage: $per%"
echo "Class: $class"
```

```
Mansi@LAPTOP-HUDG1AC6 MINGW64 ~/OneDrive/Desktop
$ ./marksheet.sh
Enter Student Name:
mansi shahu
Enter marks of 3 subjects:
75
65
80
Name: mansi shahu
Total Marks: 220
Percentage: 73%
Class: First Class
```

```bash
GNU nano 8.7
#!/bin/bash
echo "1. Calendar"
echo "2. Date & Time"
echo "3. Logged in Users"
echo "4. Terminal Number"
read ch

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

```
Mansi@LAPTOP-HUDG1AC6 MINGW64 ~/OneDrive/Desktop
$ nano sysmenu.sh

Mansi@LAPTOP-HUDG1AC6 MINGW64 ~/OneDrive/Desktop
$ chmod +x sysmenu.sh
./sysmenu.sh
1. Calendar
2. Date & Time
3. Logged in Users
4. Terminal Number
2
Fri Jan 23 16:57:02 IST 2026
```

```bash
GNU nano 8.7
#!/bin/bash
echo "Enter n:"
read n

a=0
b=1

for ((i=1; i<=n; i++))
do
  echo -n "$a "
  c=$((a + b))
  a=$b
  b=$c
done
```

```
Mansi@LAPTOP-HUDG1AC6 MINGW64 ~/OneDrive/Desktop
$ nano fibonacci.sh

Mansi@LAPTOP-HUDG1AC6 MINGW64 ~/OneDrive/Desktop
$ chmod +x fibonacci.sh
./fibonacci.sh
Enter n:
5
0 1 1 2 3
Mansi@LAPTOP-HUDG1AC6 MINGW64 ~/OneDrive/Desktop
$
```

```bash
  GNU  nano  8.7
#!/bin/bash
echo "Enter n:"
read n

count=0
num=2

while [ $count -lt $n ]
do
  flag=0
  for ((i=2; i<=num/2; i++))
  do
    if [ $((num % i)) -eq 0 ]; then
      flag=1
      break
    fi
  done

  if [ $flag -eq 0 ]; then
    echo -n "$num "
    count=$((count + 1))
  fi
  num=$((num + 1))
done
```

```
Mansi@LAPTOP-HUDG1AC6 MINGW64 ~/OneDrive/Desktop
$ nano prime.sh

Mansi@LAPTOP-HUDG1AC6 MINGW64 ~/OneDrive/Desktop
$ chmod +x prime.sh
./prime.sh
Enter n:
6
2 3 5 7 11 13
Mansi@LAPTOP-HUDG1AC6 MINGW64 ~/OneDrive/Desktop
$
```

```bash
GNU nano 8.7
#!/bin/bash
echo "1. Create File"
echo "2. Write File"
echo "3. Append File"
echo "4. Delete File"
read ch

echo "Enter file name:"
read fname

case $ch in
1) touch $fname ;;
2) cat > $fname ;;
3) cat >> $fname ;;
4) rm $fname ;;
*) echo "Invalid choice" ;;
esac
```

```
$ nano filemenu.sh

Mansi@LAPTOP-HUDG1AC6 MINGW64 ~/OneDrive/Desktop
$ chmod +x filemenu.sh
./filemenu.sh
1. Create File
2. Write File
3. Append File
4. Delete File
1
Enter file name:
manu abc
```