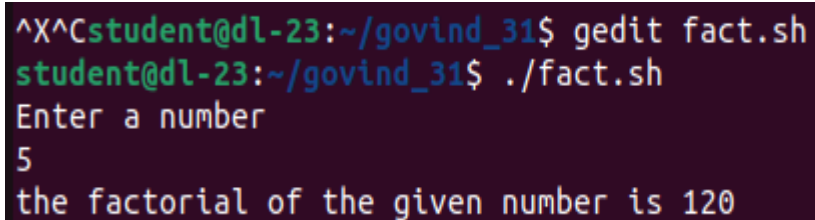


PROGRAM

```
echo -n "Enter a number"
read n
fact=1
while [ $n -gt 1 ]; do
    fact=$((fact * n))
    n=$((n - 1))
done
echo "the factorial of the given number is $fact"
```

OUTPUT

A terminal window with a dark purple background. The prompt is '^X^Cstudent@dl-23:~/govind_31\$'. The user enters 'gedit fact.sh'. The prompt changes to 'student@dl-23:~/govind_31\$'. The user enters './fact.sh'. The program outputs 'Enter a number'. The user enters '5'. The program outputs 'the factorial of the given number is 120'.

```
^X^Cstudent@dl-23:~/govind_31$ gedit fact.sh
student@dl-23:~/govind_31$ ./fact.sh
Enter a number
5
the factorial of the given number is 120
```