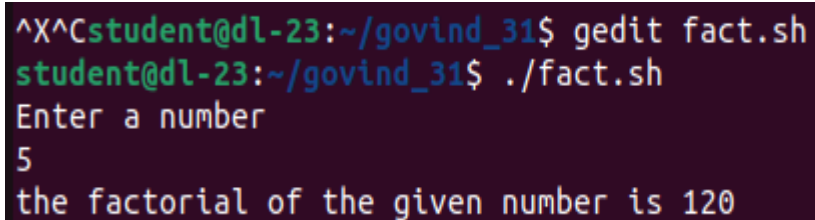PROGRAM

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

```
^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
```