

## FACTORIAL

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### CODE

```
echo "Enter a number: "  
read n f=1 q=$n while [  
$n -gt 1 ] do  
    f=$((f*n)) n=$((n-  
    1))  
done  
echo "factorial of $q: $f"
```

**OUTPUT**

Enter a number: 5  
factorial of 5: 120

Enter a number: 7  
factorial of 7: 5040