

## #fact of a no

```
read -p "enter a no.:" n
```

```
fact=1
```

```
while [ $n -gt 1 ]
```

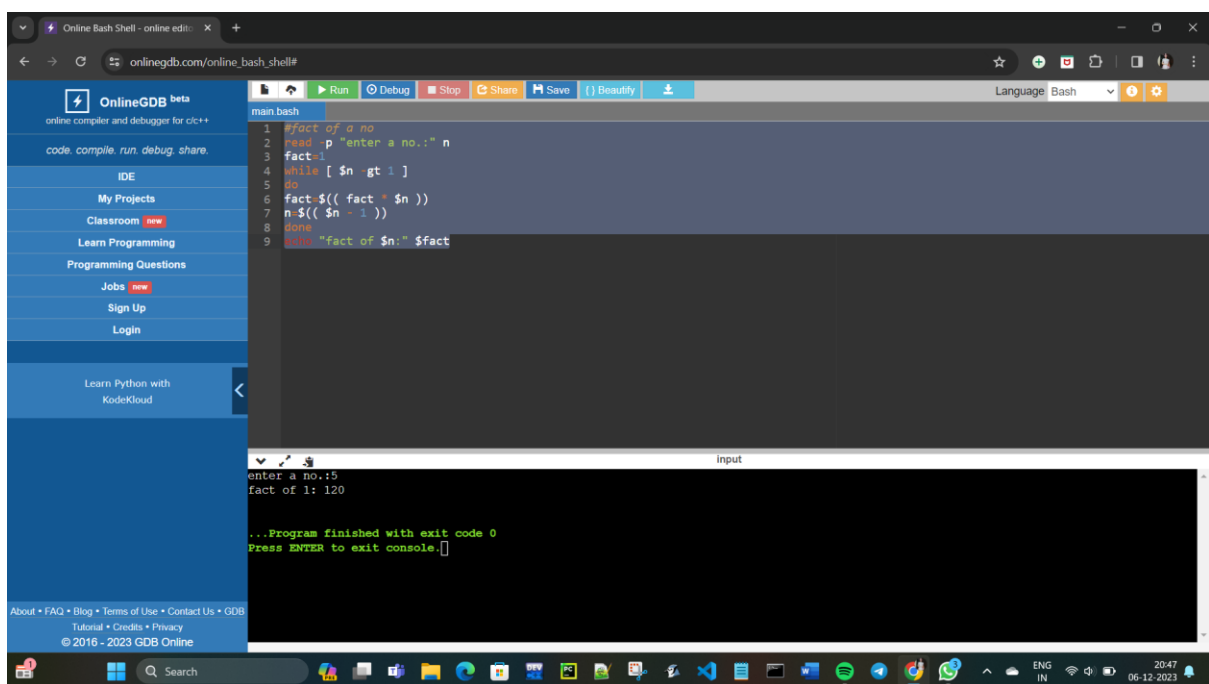
```
do
```

```
fact=$(( fact * $n ))
```

```
n=$(( $n - 1 ))
```

```
done
```

```
echo "fact of $n:" $fact
```



The screenshot shows the OnlineGDB web interface. On the left is a blue sidebar with navigation links: OnlineGDB beta, code compile run debug share, IDE, My Projects, Classroom, Learn Programming, Programming Questions, Jobs, Sign Up, Login, and Learn Python with KodeKloud. The main editor area displays a Bash script for calculating the factorial of a number. The script is as follows:

```
1 #fact of a no
2 read -p "enter a no.:" n
3 fact=1
4 while [ $n -gt 1 ]
5 do
6 fact=$(( fact * $n ))
7 n=$(( $n - 1 ))
8 done
9 echo "fact of $n:" $fact
```

Below the editor, the console output shows the program's execution:

```
enter a no.:5
fact of 1: 120

...Program finished with exit code 0
Press ENTER to exit console.
```

The browser's address bar shows the URL `onlinegdb.com/online_bash_shell#`. The bottom of the image shows a Windows taskbar with various application icons and a system clock indicating 20:47 on 06-12-2023.