

#factorial of a no

```
echo "Enter a number"
```

```
read num
```

```
fact=1
```

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

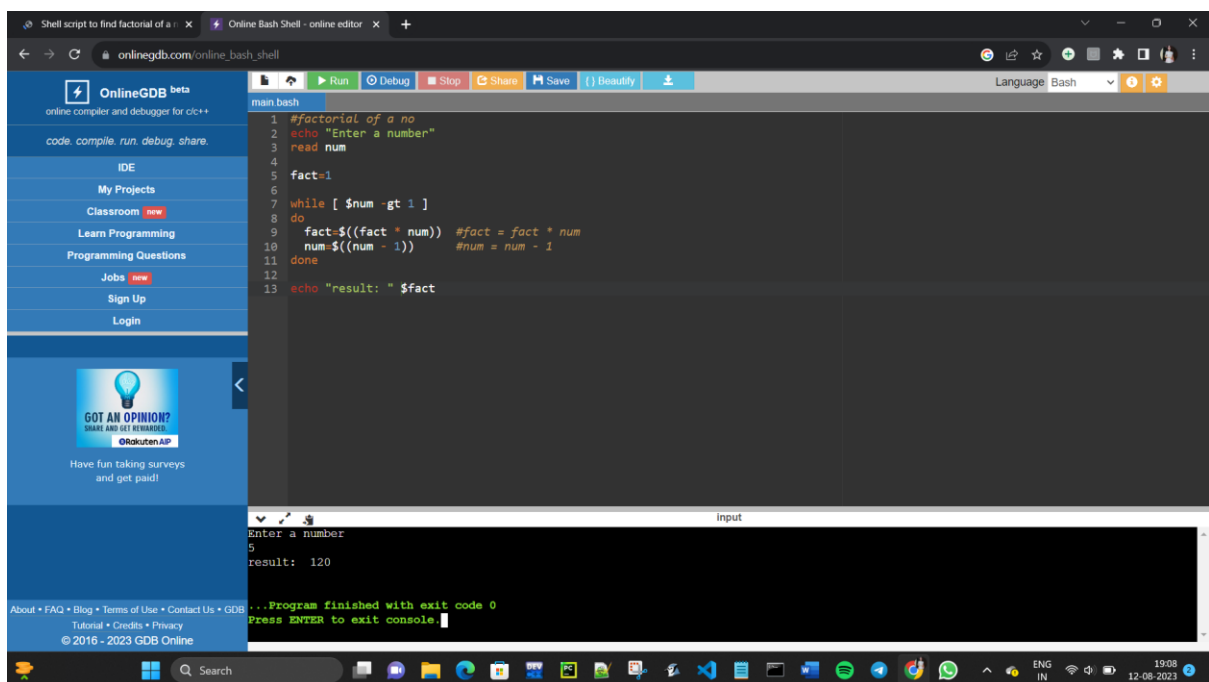
```
do
```

```
    fact=$((fact * num)) #fact = fact * num
```

```
    num=$((num - 1))    #num = num - 1
```

```
done
```

```
echo "result: " $fact
```



The screenshot shows a web browser window with the URL `onlinegdb.com/online_bash_shell`. The page features a sidebar on the left with the 'OnlineGDB beta' logo and navigation links: 'code, compile, run, debug, share.', 'IDE', 'My Projects', 'Classroom', 'Learn Programming', 'Programming Questions', 'Jobs', 'Sign Up', and 'Login'. The main area is a code editor with a dark theme, displaying a Bash script for calculating a factorial. The script is as follows:

```
1 #factorial of a no
2 echo "Enter a number"
3 read num
4
5 fact=1
6
7 while [ $num -gt 1 ]
8 do
9     fact=$((fact * num)) #fact = fact * num
10    num=$((num - 1))    #num = num - 1
11 done
12
13 echo "result: " $fact
```

Below the code editor is an 'input' section with a terminal-like interface. It shows the user inputting '5' in response to the prompt 'Enter a number', followed by the output 'result: 120'. At the bottom of the terminal, a green message states: '...Program finished with exit code 0' and 'Press ENTER to exit console.' The browser's address bar and various icons are visible at the top, and the Windows taskbar is at the bottom.