

#prime in range

```
read -p "enter the upper lim:" n
```

```
echo "prime no. b/w 1 to $n"
```

```
for (( i=1; i<=$n; i++ ))
```

```
do
```

```
flag=0
```

```
for (( j=2; j*j<=$(( $i + 1 )); j++ ))
```

```
do
```

```
if [[ $(( $i % $j )) -eq 0 ]]
```

```
then
```

```
flag=1
```

```
break #exit
```

```
fi
```

```
done
```

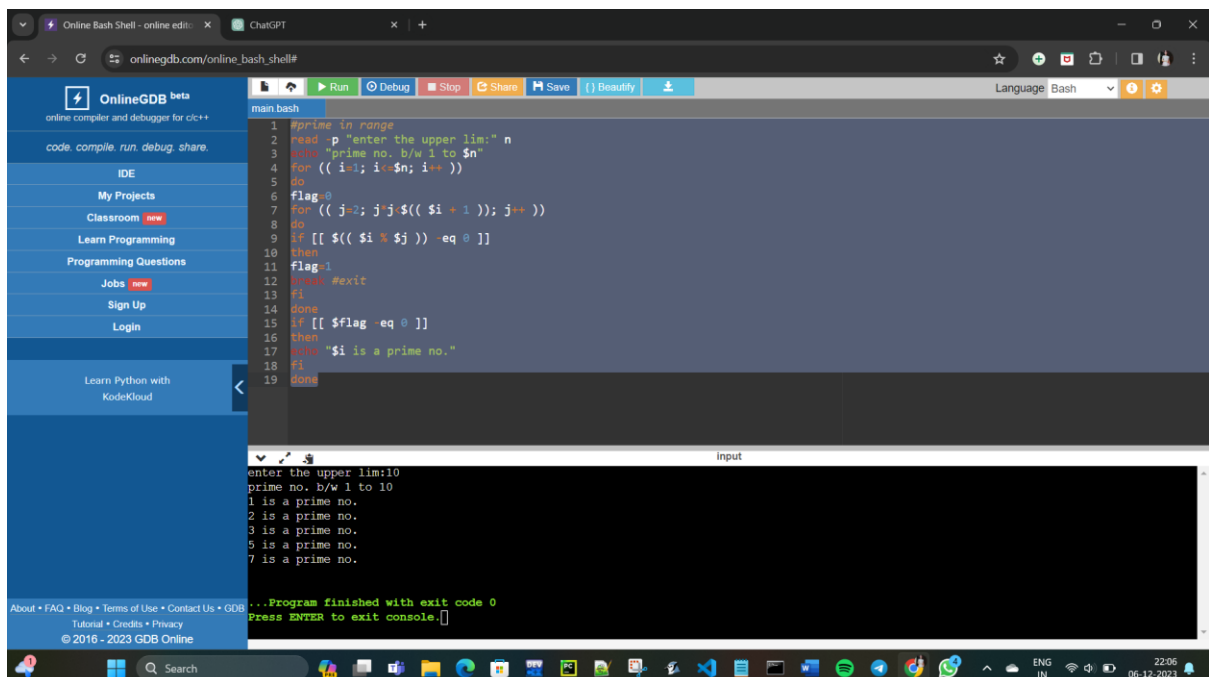
```
if [[ $flag -eq 0 ]]
```

```
then
```

```
echo "$i is a prime no."
```

```
fi
```

```
done
```



The screenshot displays the OnlineGDB web interface. The left sidebar contains navigation links such as 'My Projects', 'Classroom', 'Learn Programming', 'Programming Questions', 'Jobs', 'Sign Up', and 'Login'. The main editor area shows a C++ program for finding prime numbers in a range. The program prompts the user for an upper limit, iterates through numbers from 1 to that limit, and checks for divisibility using a nested loop and a flag. The output console shows the results for an upper limit of 10, listing prime numbers 1 through 7. The program finishes with exit code 0.

```
1 #prime in range
2 read -p "enter the upper lim:" n
3 echo "prime no. b/w 1 to $n"
4 for (( i=1; i<=$n; i++ ))
5 do
6 flag=0
7 for (( j=2; j*j<=$(( $i + 1 )); j++ ))
8 do
9 if [[ $(( $i % $j )) -eq 0 ]]
10 then
11 flag=1
12 break #exit
13 fi
14 done
15 if [[ $flag -eq 0 ]]
16 then
17 echo "$i is a prime no."
18 fi
19 done
```

enter the upper lim:10
prime no. b/w 1 to 10
1 is a prime no.
2 is a prime no.
3 is a prime no.
5 is a prime no.
7 is a prime no.
...Program finished with exit code 0
Press ENTER to exit console.