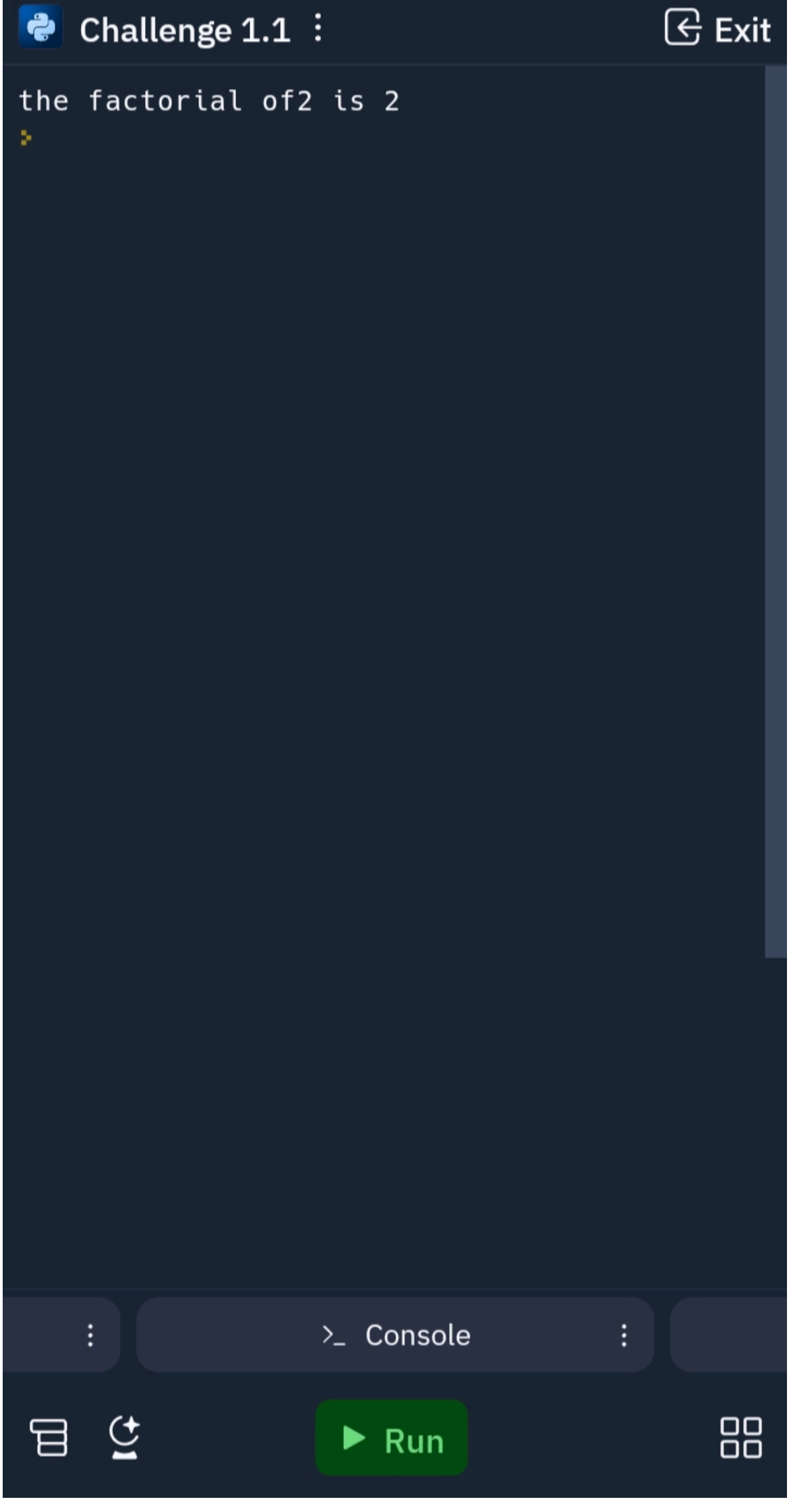
Challenge 1.1 ⋮ Exit

```python
#implement a recursive function to calculate the factorial of a given number

def fact_rec(n):
    if n==0 or n==1:
        return 1
    else:
        return n*(fact_rec(n-1))

number=2
res=fact_rec(number)

print("the factorial of{} is {}".format(number,res))
```

Ln 1, Col 1 History

main.py ⋮

Run


Challenge 1.1
Exit
the factorial of2 is 2
Console
Run

Challenge 1.2 ⋮ Exit

```
1  ##Leap year
2
3  def isLeapYear(year):
4    if(year % 4==0 and year % 100!=0) or
   year % 400==0:
5      return True
6    else:
7      return False
8
9  year=int(input("enter a year."))
10 if isLeapYear (year):
11   print("{} is a leap,year".format
   (year))
12 else:
13   print('{} is not a leap
   year.'.format(year))
14
15
16
```

Ln 13, Col 46 History

main.py ⋮

Run


Challenge 1.2
Exit
enter a year.2023
2023 is not a leap year.
Console
Run