main (1)

```python
# 1.1 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 = int(input("Enter a value:"))
res = fact_rec(number)

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