5.WRITE A PROGRAM TO FIND FACTORIAL USING RECURSION.

```
PROGRAM:

def fact(n):

if n==0 or n==1:

return n

else:

return n*fact(n-1)

n=5

res=fact(n)

print(res)

TIME COMPLEXITY:O(n)

INPUT:5

OUTPUT:
```

```
PS <u>C:\Users\surya\Desktop\fruit</u>> & C:/Users/surya/AppData/Local/Programs/Python/Python312/p120
PS C:\Users\surya\Desktop\fruit>
```