Let num = 3 , fact =1

 for (int i=num;i>0;i--)

    {

        fact=fact\*i;

    }

STEP 1: i=num

i = 3 fact

6

i > 0 ans.

3 > 0 true

Fact = fact \* i ;

Fact= 1\* 3; 🡺 3

i = i-1; 🡺 3-1 = 2

STEP 2: i= 2

2 > 0 true

Fact = 3\*2; 🡺 6

i=2-1 🡺 1

STEP 3: i=1

1. true

fact=6\*1 🡺 6

i=1-1=0

step 4 : i=0

1. false

loop terminated