

## 2. Find Factorial of numbers.

$N=4$ , ( $4 \times 3 \times 2 \times 1 = 24$ )

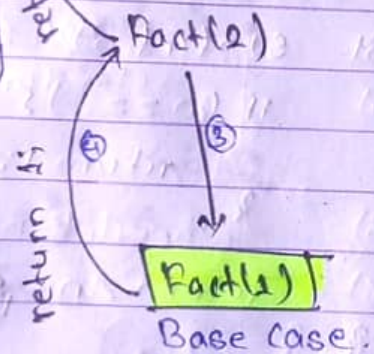
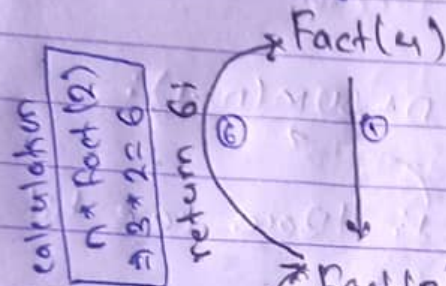
24 should be returned.

calculation:

$$n \times \text{fact}(3) \\ = 4 \times 6 = 24$$

return 24 to main

function:



return  $n \times \text{fact}(n-1)$ ;

return 1; // Base case hit

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1) int fact(int n) {
2)     if (n <= 1) {
3)         return 1;
4)     }
5)     return n * fact(n-1);
6) }
    
```