

Ques Factorial

Expectation

fact(5)

120

$1 \times 2 \times 3 \times 4 \times 5$

Faith

fact(4)

24

$\Rightarrow 1 \times 2 \times 3 \times 4$

int f4 = fact(4);

int f5 = f4 * 5;

return f5

```
int fact(int n) {
```

```
    if (n == 0)
        return 1;
```

```
    int fnm1 = fact(n-1);
```

```
    int fn = n * fnm1;
```

```
    return fn;
```

```
}
```

Console

main {ans = 6}

Stack