

Ques

Reverse number

1 2 3 4 \Rightarrow 4 3 2 1

int a = 5;

int b = a / 2; // 2

last = num % 10;

num = 0;
res = 4321;
last = 1

last digit = num % 10;

res = res * 10; \leftarrow

res = res + last digit; \leftarrow

num = num / 10;

num = 1

ans = 432

rem = 2

Ques Swap 2 numbers

$$\rightarrow a = 10 \quad \leftarrow$$

$$\rightarrow b = 20$$

$a = 20$
$b = 10$

temp	10
b	20
a	10 20

$$\rightarrow a = b$$

$$\rightarrow b = a$$

X

```
int temp = a;  
a = b;  
b = temp;
```

②

```
int a = 10;
```

```
int b = 20;
```

$$a = a + b;$$

$$b = a - b;$$

$$a = a - b;$$

b	20 10
a	20

~~$$10 + 20 - 10$$~~

~~$$\begin{array}{r} 10 + 20 \\ \hline a \end{array} \quad \begin{array}{r} - 20 \\ \hline b \end{array}$$~~

Ques Factorial of a number

num = 5

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

```
int fact = 1;
```

```
for(int i=2; i<=num; i++) {
```

```
    fact = fact * i;
```

```
}
```

```
    syso(fact);
```

i > 0