① *return* or *output* *parameter* type

② function *name*

③ *type* of *input* paramter

④ *input* paramter

⑤ body of the function

① ② ③ ④

```c
int factorial(int n) {
    int result = 1;
    for (int i = 1; i <= n; i++) {
        result *= i;
    }
    return result;
}
```

⑤