

MASTER RECURSION

3 STEP GUIDE

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Follow for More Notes...

Recursion Pattern #1

[BY HIMANSHU
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- Use Global variable
- Recursive function return void
- Results are accumulated in global variable

Code :-

var global-variable;

Void recursion (params)

{

Exit condition check ①

Business Logic that changes global-variable ②

Recursive Calls ③

}

- No return statement in function
- Order of ② and ③ may interchange based on problem statement.

Recursion Pattern #2

[BY HIMANSHU SHARMA]

- Recursive method return some value
- Value returned by recursive calls is used to prepare results of current step.

Code:-

```
return-type recursion (param)  
{  
    Exit condition check ①  
    Recursive calls & get their results ②  
    Prepare result for this step ③  
    return current-result;  
}
```

- Every call has to return some value
Even in step ①