

# OVERLOADING

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\* **Method Overloading** :- Two or more methods can have same but different parameters. Such methods are called overloading method.

- `void myme()`
  - `void myme(int a)`
  - `void myme(int a, int b)`
- overloading function myme

\* **Recursion** :- A function in java can call itself. Such calling of function by itself is called recursion.

Ex :-

fun factorial of a number.

$$\text{Factorial}(n) = n * \text{Factorial}(n-1) \quad \& \quad n \geq 1$$

```
* static int factorial(int n) {  
    if (n == 0 || n == 1)  
        return 1;  
    else  
        return n * factorial(n-1);  
}
```

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