

## Day 3 - Code Java Smart

# Odd or Even

We know that any **integer number** when **divided by 2** gives a remainder as **0 ( ODD )** or **1 ( EVEN )** . This itself takes  $O(1)$  time complexity but still this isn't the best way to do .

Instead of the usual approach that everyone is aware of and is told by their gurus , there is still something better than this method which is  **$(n \& 1) == 0 ? \text{true} : \text{false}$**  => false for ODD and true for EVEN .

## Program

```
static boolean isEven(int n) {  
    //return (n%2) == 0; -> Usually we use % symbol to check odd/even  
    return (n&1) == 0;  
}
```