

# Solution Review : Check Parity of a Number

This lesson gives a detailed review of how to check the parity of a number.

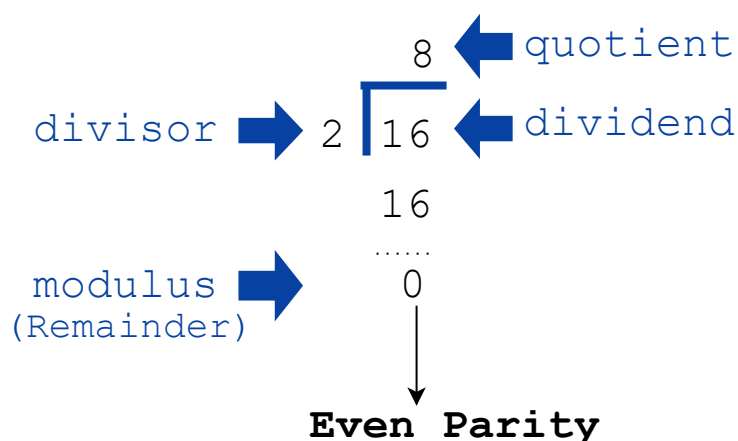
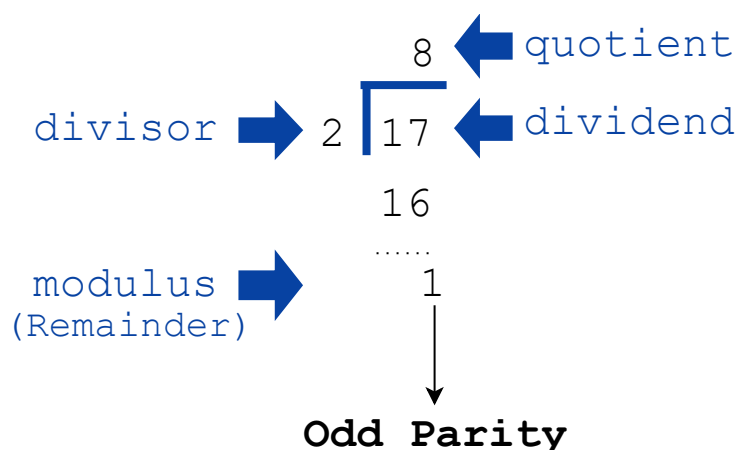
## WE'LL COVER THE FOLLOWING



- Solution: Use Modulus (%) Operator

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The solution isn't complicated. You simply check the **remainders** when even and odd numbers are divided by 2; all **even** numbers result in a **remainder of 0** and all **odd** numbers produce a **remainder of 1**. This is convenient because the problem requires us to return a 0 if a number is even, and a 1 if it is odd. Therefore, you will just use the % operator to obtain the remainder of n when divided by 2 and return the answer.



To check the parity of a number, write the following python code.

```
def checkParity(n):  
    result = (n % 2)  
    return result  
  
print("Odd parity", checkParity(17))  
print("Even parity", checkParity(16))
```



Let's move on to solve another problem using numbers.