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# CSO Assignment 1

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### File Structure:

## Q1:

- if denominator is 0, returning -1
- Calculating the quotient and remainder such that remainder is always positive
- used the function name "remaindr" instead of "remainder" because of conflict with the inbuilt "remainder" function

### Q2:

assuming gcd(a, b)=gcd(|a|, |b|) and gcd(a, 0)=|a|

### Q3:

 if N<=1 returing -1 (Note: the main code is written to print "False" irrespective of the function returing 0 or -1) README.md 09/06/2022

- if N is Prime returing 1
- if N is Not Prime returing 0

#### Q4:

- Reusing the code from Q3 to check prime.
- Prints 1 for n=1 (special case)
- Prints -1 if n<=0

#### Q5:

- if N<=0 Prints -1
- Taken Care of Overflow cases.