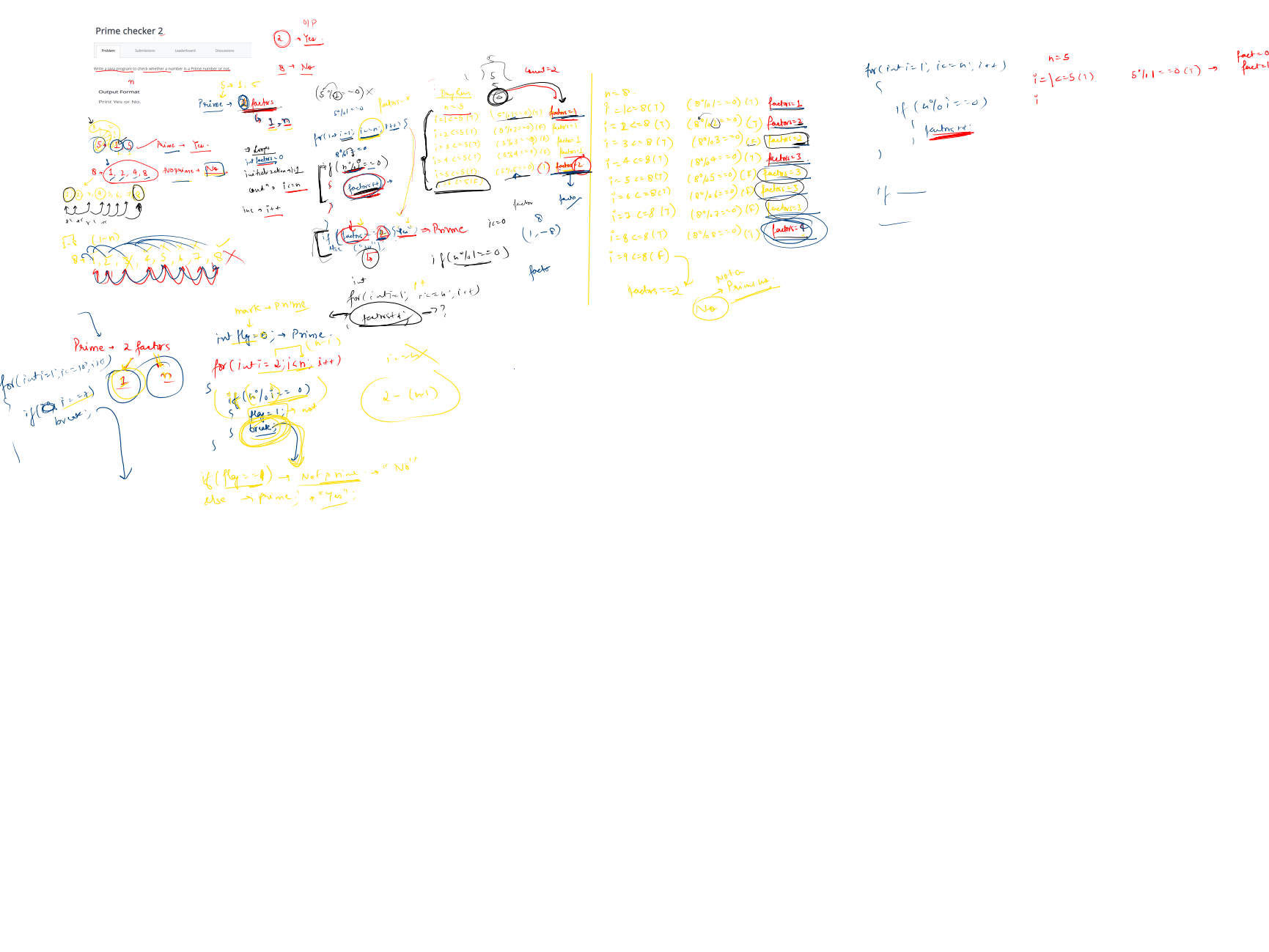
Prime checker 2

Problem | Submissions | Leaderboard | Discussions

Write a Java program to check whether a number is a Prime number or not.

Output Format

Print Yes or No.



```
int n=scn.nextInt();

// flag value 0 denotes -> given number is prime
// flag value 1 denotes ->given number is not prime
int flag=0;
for(int i=2;i<n;i++){
    if(n%i==0){
        flag=1;
        break;
    }
}
if(flag==0){
    System.out.println("Yes");
}else {
    System.out.println("No");
}
```

n = 1

if(n<=1) → (flag = 1)

Test n==1

flag =

Dry Run

n = 5 , flag = 0

i = 2<5 (T) (5%2==0) (F)

i = 3<5 (T) (5%3==0) (F)

i = 4<5 (T) (5%4==0) (F)

i = 5<5 (F)

O/P → Yes

n = 8.

i = 2<8 (T) (8%2==0)

flag = 1

O/P → No