## Week 08: Programming Assignment 4

Due on 2025-03-20, 23:59 IST

Write a Java program that reads an integer and determines if it is a prime number. A prime number is only divisible by 1 and itself.

## Expected Input/Output:

Input: 7 Output: Prime

Private Test cases used for evaluation

Test Case 1

Input	Expected Output	Actual Output	Status
13	Prime	Prime	Passed

The due date for submitting this assignment has passed.

1 out of 1 tests passed.

You scored 100.0/100.

## Assignment submitted on 2025-03-17, 23:23 IST

public class W08\_P4 {
 public static void main(String[] args) {
 Scanner scanner = new Scanner(System.in);

 int number = scanner.nextInt();

 boolean isPrime = true;
 if (number <= 1) {
 isPrime = false;
 } else {
 for (int i = 2; i \* i <= number; i++) {
 isPrime = false;
 break;
 }
}</pre>

}
System.out.println(isPrime ? "Prime" : "Not Prime");
scanner.close();