Find the nth odd number after n odd number

CODE:

import java.util.Scanner;

public class NthOddNumber {

public static void main(String[] args) {

Scanner scanner = new Scanner(System.in);

// Getting the value of n and m from the user

System.out.print("Enter the value of m (number of initial odd numbers): ");

int m = scanner.nextInt();

System.out.print("Enter the value of n (position of the odd number): ");

int n = scanner.nextInt();

// Calculating and displaying the nth odd number after m odd numbers

int nthOddNumber = findNthOddNumber(m, n);

System.out.println("The " + n + "th odd number after " + m + " odd numbers is: " + nthOddNumber);

scanner.close();

}

public static int findNthOddNumber(int m, int n) {

return m \* 2 + n \* 2 - 1;

}

}

OUTPUT:

C:\javap>javac NthOddNumber.java

C:\javap>java NthOddNumber

Enter the value of m (number of initial odd numbers): 5

Enter the value of n (position of the odd number): 45

The 45th odd number after 5 odd numbers is: 99

