/\*Program to check perfect number or not in a given number.\*/

import java.util.Scanner;

class JavaExample {

static boolean checkPerfectSquare(double x)

{

double sq = Math.sqrt(x);

return ((sq -Math.floor(sq)) == 0);

}

public static void main(String[] args)

{

System.out.print("Enter any number:");

Scanner scanner = new Scanner(System.in);

double num = scanner.nextDouble();

scanner.close();

if (checkPerfectSquare(num))

System.out.print(num+ " is a perfect square number");

else

System.out.print(num+ " is not a perfect square number");

}