**Day 22 coding Statement : Write a program to express a number as a sum of two prime numbers**

**Description**

Get a number as input from the user and express that number as sum of two prime numbers.

**Input**

4

**Output**

4 can be expressed as sum of 2 and 2

import java.util.Scanner;

public class RatanPrajapati\_day22 {

    static boolean isPrime(int num) {

        boolean isPrime = true;

        for (int i = 2; i <= num / 2; ++i) {

            if (num % i == 0) {

                isPrime = false;

                break;

            }

        }

        return isPrime;

    }

    public static void main(String[] args) {

        Scanner sc = new Scanner(System.in);

        int num = sc.nextInt();

        boolean flag = false;

        for (int i = 2; i <= num / 2; ++i) {

            if (isPrime(i)) {

                if (isPrime(num - i)) {

                    System.out.printf("%d can be expressed as sum of %d and %d\n", num, i, num - i);

                    flag = true;

                }

            }

        }

        if (!flag)

            System.out.println(num + "can't express that number as sum of two prime numbers.");

    }

}