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.

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Input: 4
Output: 4 can be expressed as sum of 2 and 2.
Program:
package com.talentbattle.codingchallenge;
import java.util.Scanner;
public class Sum_of_Prime {
       public static void main(String[] args) {
              // TODO Auto-generated method stub
              Scanner <u>scan</u> = new Scanner(System.in);
              System.out.println("Enter a Number ");
              int number = scan.nextInt();
              boolean x = false;
              for(int i = 2;i <= number/2;++i)</pre>
                     if(prime(i))
                            if(prime(number-i))
                                   System.out.println(number + " can be expressed as "
+ i + " and " + (number-i));
                                   x=true;
                     }
              if(x == false)
                     System.out.println("Can't be expressed");
       }
       private static boolean prime(int n) {
              // TODO Auto-generated method stub
              boolean c =true;
              for(int i =2;i<=n/2;++i)</pre>
                     if(n \% i == 0)
                            c =false;
                            break;
              return c;
       }
}
```

