

Prg16:



```
/*
 * Click nbfs://nbhost/SystemFileSystem/Templates/Licenses/license-default.txt to
 */

package com.mycompany.prg16;

/**
 *
 * @author 1BSCCSA59
 */
import java.util.*;
public class Prg16 {

    public static void main(String[] args) {
        Scanner sc = new Scanner(System.in);
        System.out.println("Enter two positive numbers"); int a
        = sc.nextInt();
        int b = sc.nextInt();
        if(a< 0 || b < 0){
            System.out.println("Square root of negative numbers cannot be determined");
        }else{
            double sqrtA = Math.sqrt(a);
            double sqrtB = Math.sqrt(b);
            double c = sqrtA - Math.floor(sqrtA);
            double d = sqrtB - Math.floor(sqrtB); if(c
            == 0 && d ==0){
                System.out.println("The numbes are perfect squares");
            }else if(c == 0 &&d != 0 ){
                System.out.println(a+" is a Perfect Square"+"\\n"+b+" is not a Perfect square");

            }else if(c != 0 && d == 0 ){
                System.out.println(a+" is not a Perfect Square"+"\\n"+b+"is a PerfectSquare");

            }else if(c != 0 && d != 0 ){

                System.out.println("Both the numbers are not perfect squares ");

            }
        }
    }
}
```

Output:

```
| --- exec:3.5.1:exec (default-cli) @ prgl6 ---  
| Enter two positive numbers  
| 36  
| 16  
| The numbes are perfect squares  
|-----  
| BUILD SUCCESS  
|-----  
| Total time: 24.971 s  
| Finished at: 2026-01-13T12:59:22+05:30
```