- **EASY**
- **Max Score: 30 Points**

Valid Perfect Square

You are given a positive integer n, Your task is to print YES if n is a perfect square, else print NO

Your task is to complete the function `ValidatePerfectSquare` which receives a single parameter n and prints YES or NO depending upon if n is a perfect square or not.

Note: Do not use any built in library function

Input Format

First and only line contains the integer n

Output Format

Single line output containing string YES or NO

Example 1

Input

`16`

Output

`YES`

Explanation

16 is perfect square of 4.

Example 2

Input

`14`

Output

`NO`

Explanation

14 is square of 3.742, which is a decimal number so 14 is not a perfect square.

Constraints

1 <= n <= 2^31 - 1

My code

```java
// in java
import java.util.*;
import static java.lang.Math.ceil;

class Accio {
    public void ValidatePerfectSquare(int n) {
        // Write your code here
```

```java
    int t=(int)Math.sqrt(n);
        t=t*t;
        if(t==n)
            System.out.print("YES");
        else
            System.out.print("NO");
    }
}

public class Main {
    public static void main(String[] args) {
        Scanner sc = new Scanner(System.in);
        int n = sc.nextInt();
        Accio Obj = new Accio();
        Obj.ValidatePerfectSquare(n);

    }
}
```