

<https://course.acciojob.com/idle?question=1b77400f-f053-4b15-a5c7-36eb134df7e5>

● EASY

● Max Score: 30 Points

●

Count Squares

Consider a sample space S consisting of all perfect squares starting from 1, 4, 9 and so on. You are given a number n , you have to output the number of integers less than n in the sample space S .

Input Format

First line contains an integer n

Output Format

Print a single integer denoting number of integers less than n in the sample space S .

Example 1

Input

9

Output

2

Constraints

$1 \leq n \leq 10^8$

Expected Time Complexity: $O(\sqrt{n})$

Expected Space Complexity: $O(1)$

Topic Tags

- Math
- Arrays

My code

// in java

```
import java.util.*;  
import java.lang.*;  
import java.io.*;
```

```
public class Main
```

```
{
```

```
    public static void main (String[] args) throws java.lang.Exception  
    {
```

```
        //your code here
```

```
        Scanner s=new Scanner(System.in);
```

```
        int n=s.nextInt();
```

```
        int c=0;
```

```
        for(int i=1;(i*i)<n;i++)
```

```
            c+=1;
```

```
        System.out.print(c);
```

```
    }
```

```
}
```