**Check if a number is Perfect Square**

[maths](http://www.practice.geeksforgeeks.org/tag-page.php?tag=maths&isCmp=0)

Given a natural number n, print 1 if it is perfect square else 0.

**Input:**  
The first line of input contains an integer T denoting the number of test cases. The first line of each test case is N, N is the number to be checked whether perfect square or not.  
  
**Output:**  
1 if it is perfect square else 0   
  
**Constraints:**  
1 <= T <= 30  
1 <= N <= 100000  
  
**Example:  
Input:**  
3  
100  
10  
125

**Output:**  
1  
0  
0

\*\*For More Examples Use Expected Output\*\*

#include <iostream>

#include <stdio.h>

#include <math.h>

using namespace std;

int main() {

int T;

scanf("%d", &T);

while(T--) {

int N;

scanf("%d", &N);

int sqr = (int)sqrt(N);

//printf("%d ", sqr);

if(sqr \* sqr == N) {

printf("%d", 1);

} else {

printf("%d", 0);

}

printf("\n");

}

//system("pause");

return 0;

}