

69. Sqrt(x)

APPRACH=>USE RANGE APPROACH OF THE BINARY SEARCH;

```
1  class Solution {
2  public:
3      int mySqrt(int x) {
4          int s=0;
5          int e=x;
6          long long int mid=s+(e-s)/2;
7          long long int store=0;
8          while(s<=e){
9              long long int ele=mid*mid;
10             if(ele==x){
11                 return mid;
12             }else if(ele>x){
13                 e=mid-1;
14             }else{
15                 store=mid;
16                 s=mid+1;
17             }
18             mid=s+(e-s)/2;
19         }
20
21
22         return store;
23     }
24
25 }
26 };
```