**SOLUTION**

class Solution {

public:

int firstBadVersion(int n) {

int s=1; int l=n;

while(s<l){

int m=s+(l-s)/2;

if(isBadVersion(m))

l=m;

else

s=m+1;

}

return s;

}

};

**TIME COMPLEXITY= O(log n)**

**SPACE COMPLEXITY= O(1)**