852. Peak Index in a Mountain Array

BINARY SEARCH;

Edge case => do not do e=mid-1;

Bcoause in right side it might be the peak elemt also;

USE 3 CASE => ONE FOR PEAK=>1 FOR MOVING LEFT =>1 MORVING RIGHT;

```cpp
class Solution {
public:
    int peakIndexInMountainArray(vector<int>& arr) {
        int s=0;
        int e=arr.size()-1;
        int mid=s+(e-s)/2;

        while(s<=e){
            if(arr[mid]>arr[mid-1] && arr[mid]>arr[mid+1]){
                return mid;
            }else if(arr[mid] >arr[mid-1]){
                s=mid+1;
            }else{
                e=mid;
            }
            mid=s+(e-s)/2;
        }
        return mid;
    }
};
```