

```
public class Searches
{
    public static int linearSearch(int [] arr, int target)
    {
        for(int i = 0; i < arr.length; i++)
            if(arr[i] == target)
                return i;
        return -1;
    }

    public static int binarySearch(int [] arr, int target)
    {
        int lo = 0;
        int hi = arr.length - 1;

        while(lo <= hi)
        {
            int mid = (lo + hi)/2;
            if(arr[mid] == target)
                return mid;
            else
            {
                if(target > arr[mid])
                    lo = mid + 1;
                else
                    hi = mid - 1;
            }
        }
        return -1;
    }
}
```