**Binary search in sorted matrix**

**Step 1 – try to reduce the search space**

**Step 2 – take middle column and perform binary search on that column**

**If element == target = answer**

**If element > target = ignore rows after it**

**If element < target = ignore above rows**

**Check whether the mid col you are at contains the answer that is [2,6]**

**Consider the four parts**