

# Engineering Animuthyam

## Java DSA – Course. Part - 55

### Binary Search

Course Link:

<https://www.youtube.com/playlist?list=PLjzLBp9HHZWWhVXBSPS1VqxXXDoVk07gd9>

Website Link:

<https://www.vigneshreddyjulakanti.in/>

Hello machas, Bagunnara

#### 2226. Maximum Candies Allocated to K Children

<https://leetcode.com/problems/maximum-candies-allocated-to-k-children/description/>

```
1  class Solution {
2      public boolean isPossible(int[] candies,long k,int mid){
3          for(int i = 0;i< candies.length;i++){
4              int temp = candies[i]/mid;
5
6              k-=temp;
7
8              if(k <= 0){
9                  return true;
0              }
1
2          }
3          return false;
4      }
5      public int maximumCandies(int[] candies, long k) {
6          int l = 1;
7          int r = (int)Math.pow(10,7);
8          while(l<=r){
9              int mid = l + (r-l)/2;
0              if(isPossible(candies,k,mid)){
1                  l = mid + 1;
2              }else{
3                  r = mid - 1;
4              }
5          }
6          return r;
7      }
8  }
```