

I used the divide and conquer technique.
found the minimum value of the array.
and that was the answer.
for that i used min technique.
The array was divided into many subproblems and each was solved separately
until i reached the desired answer
The Algorithm used is a Divide and Conquer algorithm. It divides input
array in two halves, calls itself for the two halves and then compare the
two halves. The comparison is key process that compares `arr[l..m]` and
`arr[m+1..r]`.

```
min(arr[], l, r)
```

```
If r > l
```

1. Find the middle point to divide the array into two halves:
 `middle m = (l+r)/2`
2. Call min for first half:
 `Call min(arr, l, m)`
3. Call min for second half:
 `Call min(arr, m+1, r)`
4. compare the two halves in step 2 and 3:
 `Call compare (arr, l, m, r)`