[0]	[1]	[2]	[3]	[4]	[5]	[6]	[7]	[8]
11	22	33	44	55	66	77	88	99

left   mid   right

1) Key = 10
2) Left = 0
    Right = 8
    Mid = 4
3) <mark>10 == 55 ? No</mark>
4) Check : consider left sub array

[0]	[1]	[2]	[3]
11	22	33	44

Left   mid   right

Left sub array :
 2) Left = 0
     Right = mid-1
          4-1 = 3
     Mid = (0+3)/2
          = 1
 3) Compare : 10 == arr[1]
          <mark>10 == 22 ? No</mark>
 4) Check : consider left aub array

[0]
11

Left
Right
mid

Left sub array:
 2) Left= 0
     Right = mid -1 =
          = 1-1 =0
     Mid = (0+0)/2
          = 0
 3) Compare : 10 == arr[0]
 <mark>10 == 11 ? No</mark>
 4) Check : consider left sub array as key is smaller to mid
     element

     Left sub array is from left to mid-1
     Left = 0
     Right = mid - 1
          = 0 -1
          = -1

Left = 0, right = -1
As right crosses left, the key is not found