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| A picture of a winding road and trees  [Document title]  [Document subtitle] | Abstract  [Draw your reader in with an engaging abstract. It is typically a short summary of the document. When you’re ready to add your content, just click here and start typing.]  AKMMBH MISHRA  [Course title] |

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| Sorted rotated array (with duplicates)  Algo-1- we all know that in rotated one side is always sorted so every time we check which side is sorted then write  if (arr[low] == arr[mid] && arr[mid] == arr[high]) { low = low + 1;  high = high - 1;  continue;}  these are the edge case; | Find min in rotated sorted (like finding pivot)  if(nums[mid]>nums[mid + 1])     return nums[mid + 1];  elseif(nums[mid]< nums[high])  high = mid;  elseif(nums[mid]> nums[high])    low = mid + 1;  else --high;  } | Finding peak element we when we go to mid we check if mid is greater than mid -1 so we have right incline other wise left incline    if (arr[mid - 1] < arr[mid] && arr[mid] > arr[mid + 1])return mid;  if (arr[mid] > arr[mid - 1]) low = mid + 1  else high = mid - 1;  } |
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