Name - Ayushman Bhatt lutorial-3 Section - AIL DS Class Roll No-21 University Roll No2017640 Answer 1 while (bu <= high) Michigan mid = (low + high)/2; if (ar [mid] = key) return true; else if (arr[mid] > key) Aty. Down O high = mid-1; attrac slocks else - hir low = mid + 1; 3 return false; Answer 2 Iterative Insertion Sort: for (int i=1; i < n; i++) j=i-1;L-Ling- Hit X = A[i];while (j >-18& A[j]) : La Ling = wild A[j+1] = A[j];3 I wat ) his Epinano 3 ALj+1]=X; VO-12 HI = Line to a void insertionsort (intarr[], into) Recursive Insertion Sort & if (n<=1) Insertion sort is an online return; insertions ort (arr, n-1); sorting algorithm because int last = arr [n-1]; whenever a new element comes, int j=n-2;Insertion sort defines its while (j >= Odd arr[j]>last) { am [j+1] = arr[j]; right place. 11-1111137 3 3 array [j+1]= last;





