LABTEST-1 USN:-IBM19CS168 Name :- Switha - Patil Selection Sort Date: - 14/06/2021 Hinclude (Stdio.h)
int Selection_sort(arr[), int n) int i, j, position, swap; for (in=0; ji < n-1; i++) { position = i for (j=i+1; jcn;j++) { if (art [position] * arr[]) position=j; if (artiposition !=i) Swap = arr [position] arr(position)= arr(i)
arr(i) = swap; int main() { int arr (1000), n, i, kjent k-large, clocket start, end; printf (regnter the number of clements in the chay h"); scanf("-(d", &n); to (i=0; i<n; i++) } arr(i] = sanc) 1.250; prints (" f.d ', exer(i)); Swith

Prints ("Entre the value of k to find the largest clament pi"). Seary ("1.d", ex); Start = clock(); selectionsort (arr, n); That find has larget clam. end & clock (); printf (" Elements in sorted order aige"); for (i = 0; i < n; i++) Printf ("Time taken is "(It", Court);

Ito find the kth largest elent (locks-perse). Klarge = K-largest (arr, n, k); printf ("The km laggest element is of.d", k-large); k-largest (arr(), n, k) { for (int i=0; i(n; i++) } if (k ==i+1) return arr(i);

____O2____Swelly