

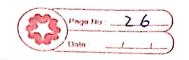
3 6 21 Q > Quick sort # include stdio 4? # include < time h? void surp (int a, int "b) 1 int tenf = *a; *a = *b; * le = temp; int partition (int a (), int l, int a) ? if EXX int pivot = a (r), pinder = 1; for (int i= 1; i < r; i++) { if (a E i 7 2 = fivot) { swaf (& a [hinden], & a [i]); finden + +; }

swap (dis [finden], d. o [s]);
return finden;

void quicksout (int a (1, int 1, int a) {

if (les) { int h = partition (a, l, a); quicksart (a, l, f-1); quicksert (a, f+1, e), 3

int main () &



freint (" Enter no of elements scanf (" /. d ", & n); frinty (" Enter elements"); for (inti=0; i < m; itt) { scanf ("/.d", da(:); } double q = 0.0; clock t legin = clock (); quicksort (a, a, n-1); clock I end = clock (); g = ((double) end - begin) / (LOCKS-PER-SEC; painty ("Element 1-11); for (int i = 0; i'm; i+1) f hiety ("/d", a[i]); fruits ("Time taken " 1.1", 1);

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