: ([i] .... Manoj. H. A 1BM19CS083 4th sem, B'sec (2512 PM: [] 1111 TNI) B-3 Batch ADA LabTust 1 Selection Sort siesi ( == 1) 11 ([i] 110, but) print #include < stdio.h > (" M/ ") ( TAN ) # include < stdlib.h> # include < Hime, h> dock\_t start 1, end1; ( ) Nigny bui void swap (int \*xp. int \* yp) (votalint tump = \*xp; ((())); \* xp = \* yp; ((in/punio posis estui) [taily Void selection-sort (Int arital, luta) 9 Int 1;; min-idx; (0) for (1=0; 12n-1, 1++) d min=1dx=1; for (1 = i+1; 12n; 1+i=1) if (arr[i] & arr[min-idx]). min = idx = i;

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A.H. swap (farr[min-idx], farr[i]); 1BM19CSC83 HIM KEMIB Sect void printarray (int arr [], int size) for (1=0; icsize; tape) noitonse prints ("abd", arr [i]); EN. dilbto 2 96 11 prints (" \n"); < N. JAME , N. > ( 16w , I that I - 11 int main () yy this gx this gown I int arr God, n;; gx = yout tois Grand (time (o)); :91 = 98 \* start1 = clock(); · gmot = y V \* prints ("Enter size of array In"); sconf (1-12d/ directiffico tol) toda notoslas 6 scanf (".1.d", &n); for (120; icn; 17+) (++i, 1-12); (3=1) drr [i] = rand ().1.100; prints ("Ind) t", arr Ciz); 

sclection\_sort (arr, n);

ud1 = clock();

printy (\* Sorted array: \n');

printArray (arr, n);

double (pu time 1 = (double) (end1 - start1) (clocks

printy ("Time taken: -1-j") (pu time 1);

return o;

## Modification

Void Kth largest (int arr[], int size, int k)

d Kort

selection-sort (arr, n);

for (int i=0; i < size; i++)

d if (i == K - 1)

printf("K-th largest elements and " arris");

break;