I WAP to use divide and Conque method to recursively implement and to find the maximum and minimum ina given list of n elements. Brogram: # Ludude (8 Stdio. h) int max, min; int a [100]; Void maxmin (intisint) { int max1, min1, mid; ef (i==j) { max = min = a [i]; else & if (i== j-1){ if (atis < atj) } max = a [j]; min = a [i]; else { max=a[i]; min=aCjj;

The state of the s Che S mid = (i+j)/2; max min a (i, mid); max1 = max; min 1 = min; max min (mid +1, j); y (max Kmax 1) max = max 1; if (min > min 1) min = min 1; Int main (); lud is n; forint f (" Enter Size of avoing "?); Scanf ("4.d", 2n); forntf (" Enter clements: \n"); for (i=1; i <= n; i++)
Scanf (664. don, 2a [i]);

max = a [0]; min = a [0];

max min (1, n)

frint f ("Minimum climent in the array: 1.d\n","
min);

brintf (66 maximum clement in the omary: 1.d In?; max).

scetwin O;

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INPUT/OUTPUT:-

Enter size of avoray: 10

Enter clements:

22 13 -5 -8 15 60 1731714

Minimum element in the array: -8 Maximum element. In the array: 60.