

## Chinmaya Dayananda Kamath



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## Input

```
5
20
16
63
98
52
```

## Output

```
Enter the size of array

5
Enter the elements of array

20 16 63 98 52
After merge sort the elements of array is

16 20 52 63 98
```

# include xstdio.h int main () int injon, temp, ele, al20]; printf (" Enter the size of array In"); scant (".1.d", 8n); printf (" Enter the elements of agray In"); foo( i=0; ixn; i+t) scanf ("1.d", & acij); 3 for Cizo; irrsitt) を リョラ while cjs=1 8/ acj-1]) if casi] Lasi-1]) 2 temp = a GiJ; acj]= acj-i]; aGi-1] = temp; j=i+j paintf C" In After merge sort the elements of array is hi). 109( i=0; izn; i++) paints ("1d it", aci]) aetaanco);

Algosithm stepl - stagt step2 - Input n step 3 - Repeat for Ci=0; insitt) Input aci] step4 - Repeat fog Cizo; ixn; i+t) 5-1 report while Cis > 1 88 a Gil < a Gi-17) if cacjj (afj-1]) temp = aGj] aGj] = aGj-1] ali-1] = temp CERD IF ] j=1-1 CErd while? [End fog,7 steps - Repeat fog (i=0; kn; i++) output ali] step6 - stop

Flowchast

Stast

Input n

Society icrosite

Input acij

fog (i=0; ich;itt) temp=aci7 Vi=1-11 forciso jienjith output ali] Stop

Entex the size of askay

Entex the elements of askay

20 16 63 98 52

Aftex messee soft the elements of askay is

16 20 52 63 98