**COMB**

**SORT**

MIHIR.K.PANJIKAR

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#include<stdio.h>

void comb\_sort(int n,int arr[30]);

int main()

{

int arr[30],n,i;

printf("Enter no. of elemets you want to enter:");

scanf("%d",&n);

printf("\nEnter the elements\n");

for(i=0;i<n;i++)

{

scanf("%d",&arr[i]);

}

printf("\nArray before sorting:");

for(i=0;i<n;i++)

{

printf("%d.",arr[i]);

}

comb\_sort(n,arr);

}

void comb\_sort(int n,int arr[30])

{

int gap,swap,i,temp;

gap=n;

swap=1;

while(gap!=1 || swap == 0)

{

gap=gap/1.3;

swap=0;

for(i=0;i<n-gap;i++)

{

if(arr[i]>arr[i+gap])

{

temp=arr[i];

arr[i]=arr[i+gap];

arr[i+gap]=temp;

swap=1;

}

}

}

printf("\n\nArray after sorting:");

for(i=0;i<n;i++)

{

printf("%d.",arr[i]);

}

}



























