PROGRAM 18 Program to Sort an Array using Bubble Sort

#include <stdio.h>

void bubble\_sort();

int a[50], n;

main()

{

 int i;

 printf("\nEnter size of an array: ");

 scanf("%d", &n);

 printf("\nEnter elements of an array:\n");

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

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

 bubble\_sort();

 printf("\n\nAfter sorting:\n");

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

 printf("\n%d", a[i]);

 getch();

}

void bubble\_sort()

{

 int j, k, temp;

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

 for(k=0; k<(n-1)-j; k++)

 if(a[k] > a[k+1])

{

 temp = a[k];

a[k] = a[k+1];

a[k+1] = temp;

 }

}