Practical 1 : Implementation and Time analysis of sorting algorithms. Bubble sort, Selection sort, Insertion sort, Merge sort and Quick sort

#include <stdio.h>

int main()

{

int count, temp, i, j, number[30];

printf(" How many Numbers : ");

scanf("%d",&count);

printf(" Enter Numbers :\n");

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

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

for(i = 0; i < count-1; i++)

{

for(j = 0; j < count-1; j++)

{

if(number[j] > number[j+1])

{

temp = number[j];

number[j] = number[j+1];

number[j+1] = temp;

}

}

}

printf(" Sorted Elements:\n");

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

printf("%d ",number[i]);

return 0;

}

