C program to print array in descending order

Code:

#include <stdio.h>

void main()

{

int i, j, a, n, number[30];

printf("Enter the size of array:");

scanf("%d", &n);

printf("Enter the numbers \n");

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

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

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

{

for (j = i+1;j<n;j++)

{

if (number[i]< number[j])

{

a = number[i];

number[i] = number[j];

number[j] = a;

}

}

}

printf("The numbers arranged in descending order are given below \n");

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

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

}

