

Mode: All

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1		=	1	
		-+	2	#define N 100
			3	
2	#include <stdio.h>	=	4	#include <stdio.h>
3	#include <string.h>		5	#include <string.h>
4	#include <ctype.h>		6	#include <ctype.h>
5			7	
6	void afisare(int v[], int n)		8	void afisare(int v[], int n)
7	{		9	{
8	for(int i = 0; i < n; i++)		10	for(int i = 0; i < n; i++)
9	{		11	{
10	printf("%d ", v[i]);		12	printf("%d ", v[i]);
11	}		13	}
12	printf("\n");		14	printf("\n");
13	}		15	}
14			16	
15	void citire(int a[], int b[], int c[],		17	void citire(int a[], int b[], int c[],
	» int n)			» int n)
16	{		18	{
17	for (int i = 0; i < n; i++)		19	for (int i = 0; i < n; i++)
18	{		20	{
19	printf("A[%d]: ", i);		21	printf("A[%d]: ", i);
20	scanf("%d", &a[i]);		22	scanf("%d", &a[i]);
21	}		23	}
22	printf("A = ");		24	printf("A = ");
23	afisare(a, n);		25	afisare(a, n);
24	printf("\n");		26	printf("\n");
25			27	
26	for (int i = 0; i < n; i++)		28	for (int i = 0; i < n; i++)
27	{		29	{
28	printf("B[%d]: ", i);		30	printf("B[%d]: ", i);
29	scanf("%d", &b[i]);		31	scanf("%d", &b[i]);
30	}		32	}
31	printf("B = ");		33	printf("B = ");
32	afisare(b, n);		34	afisare(b, n);
33	printf("\n");		35	printf("\n");
34			36	
35	for (int i = 0; i < n; i++)		37	for (int i = 0; i < n; i++)
36	{		38	{
37	printf("C[%d]: ", i);		39	printf("C[%d]: ", i);
38	scanf("%d", &c[i]);		40	scanf("%d", &c[i]);
39	}		41	}
40	printf("C = ");		42	printf("C = ");
41	afisare(c,n);		43	afisare(c,n);
42	printf("\n");		44	printf("\n");
43	}		45	}
44	void suma_pt_2(int a[], int b[],int n)		46	void suma_pt_2(int a[], int b[],int n)
45	{		47	{
46	int s[n];	<>	48	int s[N];
47	for (int i = 0; i < n; i++)	=	49	for (int i = 0; i < n; i++)
48	{		50	{
49	s[i] = a[i] + b[i];		51	s[i] = a[i] + b[i];
50	}		52	}
51	printf("A + B este: ");		53	printf("A + B este: ");
52	afisare(s,n);		54	afisare(s,n);
53	printf("\n");		55	printf("\n");

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(continued)

54	}		56	}
55			57	
56	void suma_pt_3(int a[], int b[], int c		58	void suma_pt_3(int a[], int b[], int c
	» [], int n)			» [], int n)
57	{		59	{
58	int s[n];	<>	60	int s[N];
59	for (int i = 0; i < n; i++)	=	61	for (int i = 0; i < n; i++)
60	{		62	{
61	s[i] = a[i] + b[i] + c[i];		63	s[i] = a[i] + b[i] + c[i];
62	}		64	}
63	printf("A + B + C este: ");		65	printf("A + B + C este: ");
64	afisare(s,n);		66	afisare(s,n);
65	printf("\n");		67	printf("\n");
66	}		68	}
67			69	
68	void insumare(int a[], int b[], int n)		70	void insumare(int a[], int b[], int n)
69	{		71	{
70	int s[n];	<>	72	int s[N];
71	int i;	=	73	int i;
72	for (i = 0; i < n; i++)		74	for (i = 0; i < n; i++)
73	{		75	{
74	s[i] = a[i] + b[n-i-1];		76	s[i] = a[i] + b[n-i-1];
75	}		77	}
76	printf("Insumarea A cu B este: ");		78	printf("Insumarea A cu B este: ");
77	afisare(s,n);		79	afisare(s,n);
78	printf("\n");		80	printf("\n");
79	}		81	}
		++	82	
80	void sortare_cresc(int a[], int n)	=	83	void sortare_cresc(int a[], int n)
81	{		84	{
82	int aux;		85	int aux;
		<>	86	int sw;
			87	do
			88	{
			89	sw=0;
83	for(int i = 0; i < n - 1; i++)		90	for(int i = 0; i < n - 1; i++)
84	{		91	{
85	if(a[i] > a[i+1])		92	if(a[i] > a[i+1])
86	{		93	{
87	aux = a[i];		94	aux = a[i];
88	a[i] = a[i+1];		95	a[i] = a[i+1];
89	a[i+1] = aux;		96	a[i+1] = aux;
			97	sw++;
			98	}
90	}	=	99	}
91	}		100	}
		++	101	while(sw!=0);
			102	
92	printf("Ordinea crescatoare a lui	=	103	printf("Ordinea crescatoare a lui
	» A: ");			» A: ");
93	afisare(a, n);		104	afisare(a, n);
94	printf("\n");		105	printf("\n");
95	}		106	}
96			107	
97	void sortare_descresc(int a[], int n)		108	void sortare_descresc(int a[], int n)
98	{		109	{

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(continued)

99	<b>int aux;</b>		110	<b>int aux;</b>
		<>	111	<b>int sw;</b>
			112	<b>do</b>
			113	<b>{</b>
			114	<b>sw=0;</b>
100	<b>for(int i = 0; i &lt; n - 1; i++)</b>		115	<b>for(int i = 0; i &lt; n - 1; i++)</b>
101	<b>{</b>		116	<b>{</b>
102	<b>if(a[i] &lt; a[i+1])</b>		117	<b>if(a[i] &lt; a[i+1])</b>
103	<b>{</b>		118	<b>{</b>
104	<b>aux = a[i];</b>		119	<b>aux = a[i];</b>
105	<b>a[i] = a[i+1];</b>		120	<b>a[i] = a[i+1];</b>
106	<b>a[i+1] = aux;</b>		121	<b>a[i+1] = aux;</b>
			122	<b>sw++;</b>
			123	<b>}</b>
107	<b>}</b>	=	124	<b>}</b>
108	<b>}</b>		125	<b>}</b>
		-+	126	<b>while(sw!=0);</b>
			127	
109	<b>printf("Ordinea descrescatoare a l</b>	=	128	<b>printf("Ordinea descrescatoare a l</b>
	<b>» ui A: ");</b>		129	<b>» ui A: ");</b>
110	<b>afisare(a, n);</b>		130	<b>afisare(a, n);</b>
111	<b>printf("\n");</b>		131	<b>printf("\n");</b>
112	<b>}</b>		132	<b>}</b>
113			133	<b>int main()</b>
114	<b>int main()</b>		134	<b>{</b>
115	<b>{</b>		135	<b>{</b>
116	<b>int n=3;</b>	<>	136	<b>int n=3;</b>
117	<b>int a[n];</b>		137	<b>int a[N];</b>
118	<b>int b[n];</b>		138	<b>int b[N];</b>
119	<b>int c[n];</b>		139	<b>int c[N];</b>
			140	<b>citire(a, b, c, n);</b>
120	<b>citire(a, b, c, n);</b>	=	141	<b>suma_pt_2(a, b, n);</b>
121	<b>suma_pt_2(a, b, n);</b>		142	<b>suma_pt_3(a, b, c, n);</b>
122	<b>suma_pt_3(a, b, c, n);</b>		143	<b>insumare(a, b, n);</b>
123	<b>insumare(a, b, n);</b>		144	<b>sortare_cresc(a, n);</b>
124	<b>sortare_cresc(a, n);</b>		145	<b>sortare_descresc(a, n);</b>
125	<b>sortare_descresc(a, n);</b>		146	
126			147	<b>return 0;</b>
127	<b>return 0;</b>		148	<b>}</b>
128	<b>}</b>			