

C-52 ⇒ Arrays in C - Part 7

Array Program 4

Write a program to read two arrays of size 5 and store sum of these arrays into third array.

```
void main()
```

```
{
```

```
int a[5], b[5], c[5], i;
```

```
printf("Enter first two array elements: \n");
```

```
for(i=0; i<5; i++)
```

```
{
```

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

```
c[i] = a[i] + b[i];
```

```
}
```

```
for(i=0; i<5; i++)
```

```
printf("Sum in %d index of 3rd array is %d, c[i]");
```

```
getch();
```

```
}
```

o/p

Enter first 2 array elements:

3 4

5 6

3 2

1 3

4 6

Sum in 0 index of 3 array = 7

" " 1 " " " = 11

" " 2 " " " = 5

" " 3 " " " = 4

" " 4 " " " = 10

CODE 1:

```
1  #include <stdio.h>
2  #include <stdlib.h>
3  /** 4 - ARRAY PROGRAM **/
4  /** READ 2 ARRAY OF SIZE 5 & STORE SUM OF THESE ARRAYS IN 3RD ARRAY **/
5  int main()
6  {
7      int a[5],b[5],c[5],i;
8      printf("Enter the first two array elements:\n");
9      for(i=0;i<5;i++)
10     {
11         scanf("%d %d",&a[i],&b[i]);
12         c[i]=a[i]+b[i];
13     }
14     for(i=0;i<5;i++)
15         printf("Sum in %d index of 3rd array is %d\n",i,c[i]);
16     getch();
17 }
18
```

"D:\1. C NOTEBOOK\C LANGUAGE\C PROGRAMS\PART 5_

Enter the first two array elements:

3 4

5 6

3 2

1 3

4 6

Sum in 0 index of 3rd array is 7

Sum in 1 index of 3rd array is 11

Sum in 2 index of 3rd array is 5

Sum in 3 index of 3rd array is 4

Sum in 4 index of 3rd array is 10