S.No: 13	Exp. Name: ***Write a C program to display the elements of an array in reverse order***	Date:2023-04-03

Aim:

Write a program to **print** the given integer elements of an array (with max size 10) in reverse order.

At the time of execution, the program should print the message on the console as:
Enter size of the array :
For example, if the user gives the **input** as:

```
Enter size of the array : 3
```

Next, the program should **print** the message on the console as:

```
Enter array elements :
```

If the user gives the **input** as:

```
Enter array elements : 10 20 30
```

then the program should **print** the result as:

```
Array elements in reverse order : 30 20 10
```

[**Hint:** First read an integers from standard input into the array and then use a loop to iterate on that array in the reverse order (meaning starting from the last element till the first) to print the elements.]

Note: Do use the printf() function without a newline character (\n).

Source Code:

print.c

```
#include<stdio.h>
int main()
{
   int a[20];
   int n,i;
   printf("Enter size of the array : ");
   scanf("%d",&n);
   printf("Enter array elements : ");
   for(i=0;i<n;i++)
   {
      scanf("%d",&a[i]);
   }
   printf("Array elements in reverse order : ");
   for(i=n-1;i>=0;i--)
   {
      printf("%d ",a[i]);
   }
   printf("\n");
   return 0;
}
```

Execution Results - All test cases have succeeded!

Test Case - 1
User Output
Enter size of the array : 3
Enter array elements : 10 20 30
Array elements in reverse order : 30 20 10

Test Case - 2
User Output
Enter size of the array : 6
Enter array elements : 11 88 66 22 33 44
Array elements in reverse order : 44 33 22 66 88 11

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