Single Dimension Array Based Program

Program 1. Write a program in C to print Array Elements.

```
#include <stdio.h>
 #include<conio.h>
void  main()
{
   int arr[10], i;
clrscr();
   printf("Enter array elements :\n");
   for(i=0; i<10; i++)
   {
            printf("element - %d : ",i);
      scanf("%d", &arr[i]);
   }

   printf("\nElements in array are: ");
   for(i=0; i<10; i++)
{
      printf("%d  ", arr[i]);
   }
   printf("\n");
}
```

Program 2. Program to find sum of an array.

```
#include <stdio.h>
```

```
#include<conio.h>

void main()
{
    int a[100];
    int i, n, sum=0;
clrscr();
   printf("Input the number of elements to be stored in the array :");
       scanf("%d", &n);
   printf("Input %d elements in the array :\n", n);
for(i=0;i<n;i++)
        {
                printf("element - %d : ",i);
                scanf("%d",&a[i]);
               }
printf("\nElements in array are: ");
    for(i=0; i<n; i++)
{
        printf("%d  ", a[i]);
    }

printf("sum of array elements are");
    for(i=0; i<n; i++)
{
        sum = sum+ a[i];
```

```
    }

    printf("Sum of all elements stored in the array is : %d\n\n", sum);
}
```

Program 3: Write a program in c to print array elements in reverse order.