1. Develop a C program to read and print the elements of an array.

```
#include <stdio.h>
int main()
{
   int a[1000],i,n;

    printf("Enter size of array: ");
   scanf("%d",&n);

    printf("Enter %d elements in the array : ", n);
   for(i=0;i<n;i++)
   {
      scanf("%d", &a[i]);
   }

   printf("\nElements in array are: ");
   for(i=0;i<n;i++)

   {
      printf("%d  ", a[i]);
   }

   return 0;
}
```

```
Enter size of array: 5
Enter 5 elements in the array : 10 20 30 40 50

Elements in array are: 10  20  30  40  50
```

2. Write a program to print the smallest of N elements and its position in an array.

```
#include<stdio.h>
int main()
{
int n,i,a[10],sum=0;
          int small=0,pos=0;
          printf("enter no of elements in array:");
          scanf("%d",&n);
      for(i=0;i<n;i++)
          {
             printf("a[%d]=",i);
            scanf("%d",&a[i]);
          }
       small=a[0];
          for(i=1;i<n-1;i++)
          {
                      if( a[i] < small)
             {
                    small=a[i];
```

```
                pos=i;
              }
            }
        printf("smallest no:%d \n",small);
       printf("position:%d",pos);
}
```

```
enter no of elements in array:5
a[0]=10 20 30 40 50
a[1]=a[2]=a[3]=a[4]=smallest no:10
position:0
```