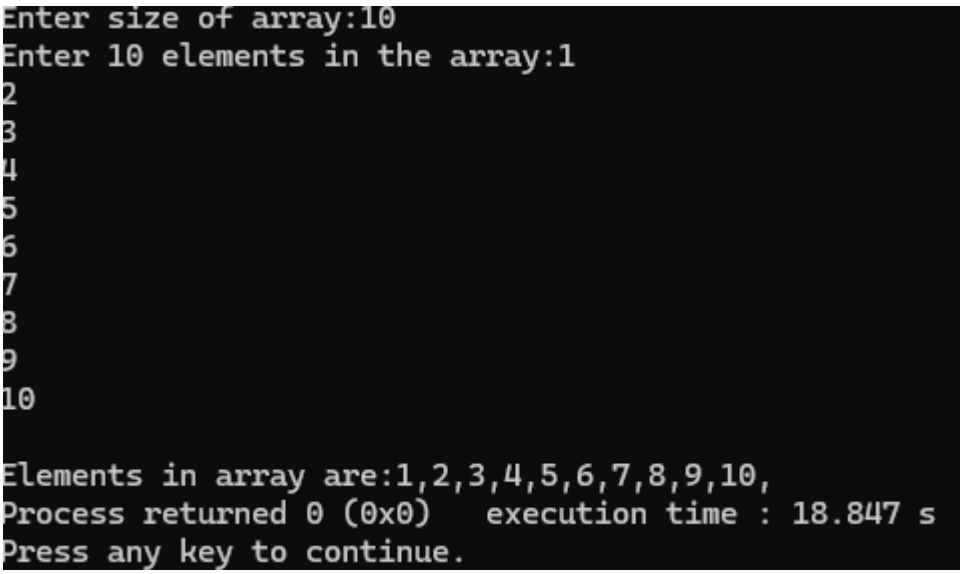
Problem number 1:

```
#include<stdio.h>
#define MAX_SIZE 1000
int main()
{
   int arr[MAX_SIZE];
   int 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",&arr[i]);
   }
   printf("\nElements in array are:");
   for(i=0;i<N;i++)
   {
      printf("%d,",arr[i]);
   }
   return 0;
}
```

Output:



Problem number 2:

```
#include<stdio.h>
#define MAX_SIZE 100
int main()
{
   int arr[MAX_SIZE];
   int 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",&arr[i]);
    }
    printf("\nAll Negative Elements in array are:");
    for(i=0;i<N;i++)
    {
        if(arr[i]<0){
            printf("%d\t",arr[i]);
        }
    }
    return 0;
}
```

Output:

```
Enter size of array:10
Enter 10 elements in the array:-1 -10 100 5 61 -2 -23 8 -90 51

All Negative Elements in array are:-1   -10     -2      -23     -90
Process returned 0 (0x0)   execution time : 21.611 s
Press any key to continue.
```

Problem Number 3:

```
#include <stdio.h>
#define MAX_SIZE 100

int main()
{
    int arr[MAX_SIZE];
    int i, n, sum=0;
    printf("Enter size of the array: ");
    scanf("%d", &n);
    printf("Enter %d elements in the array: ", n);
    for(i=0; i<n; i++)
    {
        scanf("%d", &arr[i]);
    }
    for(i=0; i<n; i++)
    {
        sum = sum + arr[i];
    }
    printf("Sum of all elements of array = %d", sum);
```

```
    return 0;
}
```

```
Enter size of the array: 10
Enter 10 elements in the array: 10 20 30 40 50 60 70 80 90 100
Sum of all elements of array = 550
Process returned 0 (0x0)   execution time : 4.142 s
Press any key to continue.
```

Output:

Problem Number 4:

```
#include <stdio.h>

#define MAX_SIZE 100
int main()
{
    int arr[MAX_SIZE];
    int i, max, min, size;
    printf("Enter size of the array: ");
    scanf("%d", &size);
    printf("Enter elements in the array: ");
    for(i=0; i<size; i++)
    {
        scanf("%d", &arr[i]);
    }
    max = arr[0];
    min = arr[0];
    for(i=1; i<size; i++)
    {
        if(arr[i] > max)
        {
            max = arr[i];
        }
        if(arr[i] < min)
        {
            min = arr[i];
        }
    }
    printf("Maximum element = %d\n", max);
    printf("Minimum element = %d", min);

    return 0;
}
```

Output:

```
Enter size of the array: 10
Enter elements in the array: -10 10 0 20 -2 50 100 20 -1 10
Maximum element = 100
Minimum element = -10
Process returned 0 (0x0)   execution time : 3.640 s
Press any key to continue.
```

Problem number 5:

```
#include <stdio.h>
int main() {
int flag = 0, position, goru[50] = {5, 1, 0, -15, 10, 3, 7, 100}, i, search_value;
printf("Enter search_value: ");
scanf("%d", &search_value);
for (i = 0; i < 8; i++) {
if (search_value == goru[i]) {
flag = 1;
position = i;
break;
}
}
if (flag == 1)
printf("%d is found and position = %d\n", search_value, position + 1);
else
printf("Value is not found\n");
return 0;
}
```

Output:

```
Enter search_value: 5
5 is found and position = 1

Process returned 0 (0x0)   execution time : 3.224 s
Press any key to continue.
```