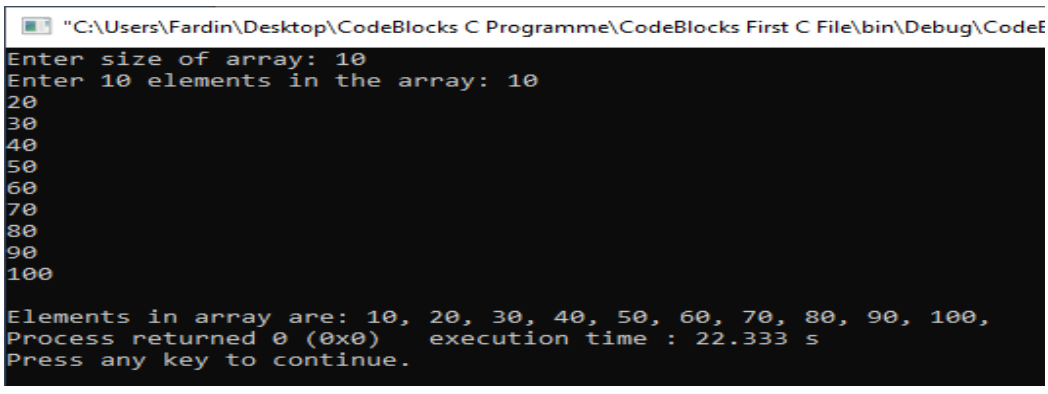
Problem Name: C program to declare, initialize, input and print array elements.

Source Code:

```
#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:

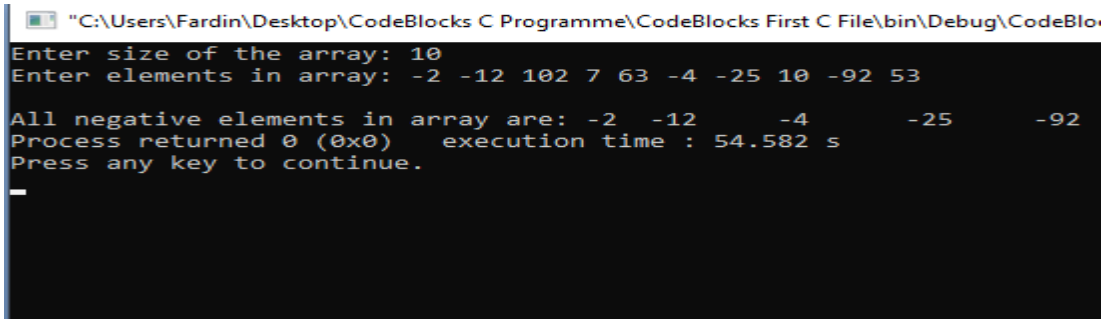


Problem Name: C program to print all negative elements in array.

Source Code:

```
#include <stdio.h>
#define MAX_SIZE 100
int main()
{
   int arr[MAX_SIZE];
   int i, N;

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

   printf("Enter elements in array: ");
   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:

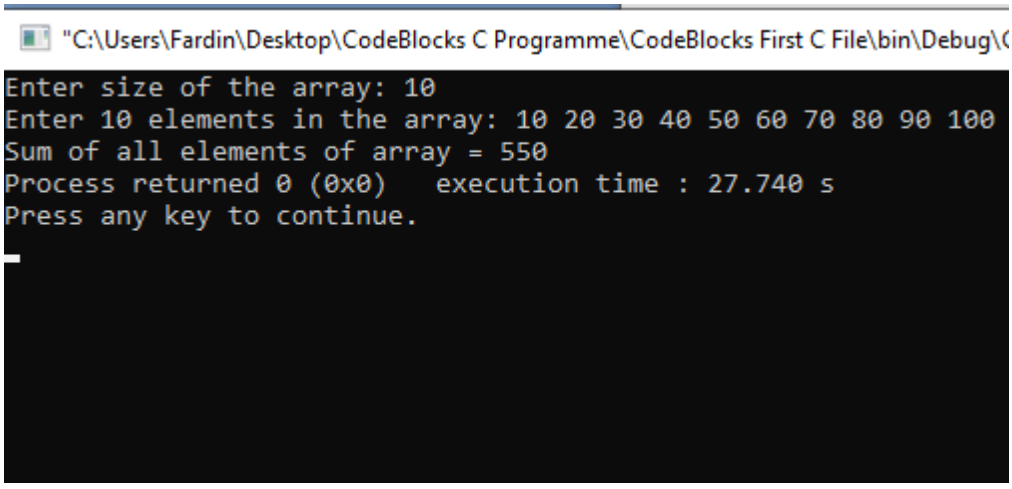


Problem Name: C program to find sum of array elements.

Source Code:

```
#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]);
      sum += arr[i];
   }

   printf("Sum of all elements of array = %d", sum);

   return 0;
}
```

Output:

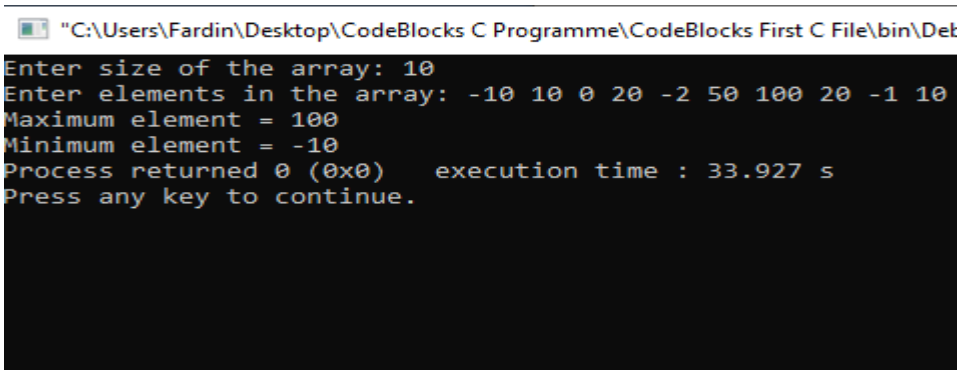


Problem Name: C program to find maximum and minimum element in array.

Source Code:

```
#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:



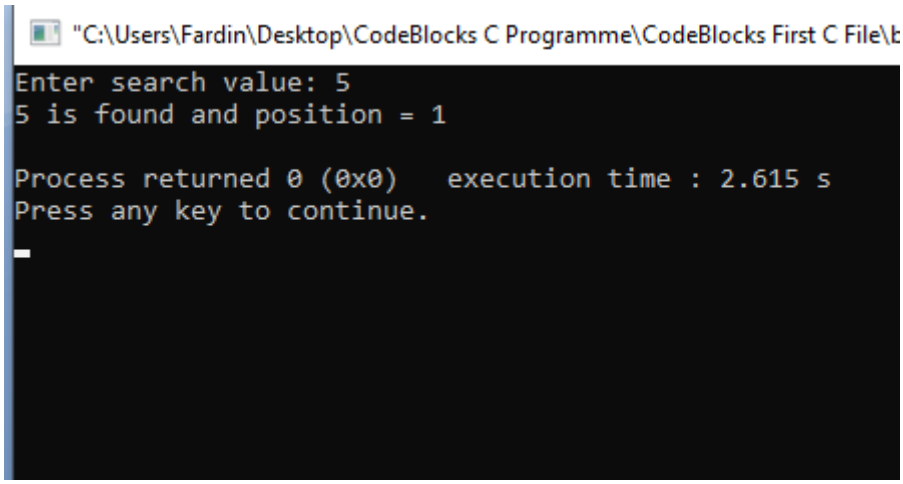
Problem Name:

Source Code:

```
#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:


"C:\Users\Fardin\Desktop\CodeBlocks C Programme\CodeBlocks First C File\b
Enter search value: 5
5 is found and position = 1
Process returned 0 (0x0)   execution time : 2.615 s
Press any key to continue.