Solution Code

```c
/*  C program to find maximum and minimum element in array  */


#include <stdio.h>
int main(){
    int arr[100];
    int i, max, min, size;
    printf("Enter size of the array: ");
    scanf("%d", &size);
    printf("\nEnter %d elements in the array: \n",size);
    for(i=0; i<size; i++){
        printf("\nEnter %d element in the array: ",i+1);
        scanf("%d", &arr[i]);
    }
    /* Supposes the first element as maximum and minimum */
    max = arr[0];
    min = arr[0];
    for(i=1; i<size; i++) {
        /* If current element of array is greater than max */
        if(arr[i]>max) {
            max = arr[i];
        }
        if(arr[i]<min)  {
            min = arr[i];
        } }
    printf("\nMaximum element = %d\n", max);
    printf("\nMinimum element = %d\n", min);
    return 0;
}
```