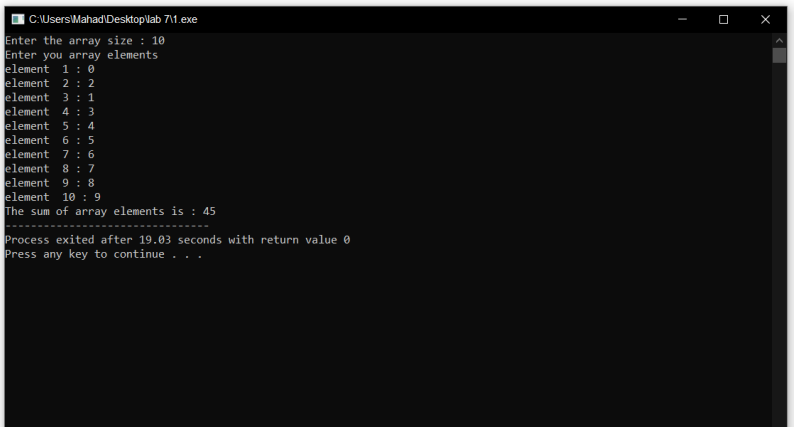
Question 1:

```c
#include<stdio.h>

int main(){
    int size;
    int sum = 0;
    printf("Enter the array size : ");
    scanf("%d",&size);
    int new_array[size];
    printf("Enter you array elements \n");


    for(int i = 0;i < size;i++){
        printf("element  %d : ",(i+1));
        scanf("%d",&new_array[i]);
        sum = sum + new_array[i];
    }
    printf("The sum of array elements is : %d",sum);

    return 0;
}
```



Question 2:

1.c 2.c 3.c 4.c

```c
#include<stdio.h>


int main(){
    int size;

    int sum = 0;
    printf("Enter the array size : ");
    scanf("%d",&size);
    int first_array[size];
    printf("Enter you array elements \n");



    for(int i = 0;i < size;i++){
        scanf("%d",&first_array[i]);
    }

    printf("Reverse elements are : ");
    for(int i = (size-1);i >= 0;i--){

        printf("%d : ",first_array[i]);
    }

    return 0;


}
```

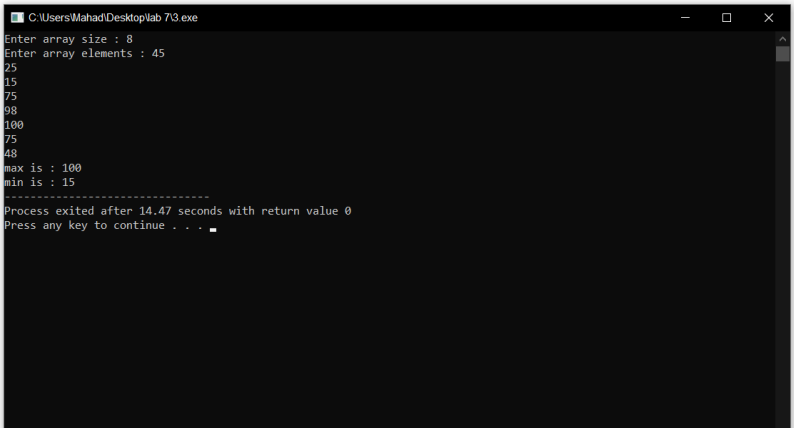
Question 3:

```c
#include<stdio.h>


int main(){
    int size;
    printf("Enter array size : ");
    scanf("%d",&size);
    int array[size];

    printf("Enter array elements : ");
    for(int i = 0;i < size;i++){
        scanf("%d",&array[i]);
    }
    int min, max;
    min = array[0];
    max = array[0];

    for(int i = 0;i < size;i++){
        if(array[i] < min){
            min = array[i];
        }else if(array[i] > max){
            max = array[i];
        }
    }
    printf("max is : %d\n",max);
    printf("min is : %d",min);
```



Question 4:

```c
#include<stdio.h>

int main() {
    int size;
    printf("Enter array size: ");
    scanf("%d", &size);

    int array[size];

    printf("Enter array elements (0 to %d):\n", size - 1);
    for (int i = 0; i < size; i++) {
        scanf("%d", &array[i]);
    }


    int count[size];
    for (int i = 0; i < size; i++) {
        count[i] = 0;
    }
    for (int i = 0; i < size; i++) {
        count[array[i]]++;
    }
    printf("Numbers in array that occur more than once: ");
    int found = 0;
    for (int i = 0; i < size; i++) {
        if (count[i] > 1) {
            printf("\n%d ", i);
            found = 1;
        }
    }

    if (found == 0) {
        printf("None");
    }

    return 0;
}
```

```
C:\Users\Mahad\Desktop\lab 7\Untitled1.exe
Enter array size: 7
Enter array elements (0 to 6):
5
4
6
5
1
4
3
Numbers in array that occur more than once:
4
5
--------------------------------
Process exited after 15.03 seconds with return value 0
Press any key to continue . . .
```