PROGRAMMING FUNDAMENTALS LAB 7 (ARRAYS AND LOOPS)

MASHHOOD RIAZ

24K - 0530

```
q1.c
                                     +
File
      Edit
             View
#include <stdio.h>
int main() {
    int n, i, sum = 0;
    printf("Enter the number of elements in the array: ");
    scanf("%d", &n);
    int arr[n];
    printf("Enter %d elements:\n", n);
    for (i = 0; i < n; i++) {
        scanf("%d", &arr[i]);
        sum += arr[i];
    }
    printf("Sum of array elements: %d\n", sum);
    return 0;
}
```

```
q2.c
                                                               \times +
     q1.c
      Edit
            View
File
#include <stdio.h>
int main()
{
    int n, i = 0;
    printf("Enter the number of elements in the array: ");
    scanf("%d", &n);
    int arr[n];
    printf("Enter %d elements:\n", n);
    for (i = 0; i < n; i++) {
        scanf("%d", &arr[i]);
    printf("Array elements in reverse order: ");
    for (i = n - 1; i >= 0; i--) {
        printf("%d ", arr[i]);
    printf("\n");
    return 0;
}
```

Q3)

```
q2.c
                                                                                       q3.c
File Edit
#include<stdio.h>
int main()
    int n;
printf("Enter the number of elements in the array: ");
scanf("%d", &n);
     int arr[n];
printf("Enter %d elements:\n", n);
     for (int i = 0; i < n; i++) {
    scanf("%d", &arr[i]);
     int min = arr[0];
     int max = arr[0];
     for (int i = 1; i < n; i++) {
    if (arr[i] < min) {
               min = arr[i];
                    else if (arr[i] > max) {
               max = arr[i];
          }
     printf("Minimum number: %d\n", min);
printf("Maximum number: %d\n", max);
return 0;
```

```
© C:\Users\Hp\Documents\pflal ×
Enter the number of elements in the array: 10
Enter 10 elements:
4
1
6
8
10
21
8
9
2
6
Minimum number: 1
Maximum number: 21
Process exited after 32.34 seconds with return value 0
Press any key to continue . . .
```

```
Enter array size: 5
Enter 5 elements:
2
3
1
2
3
Number 2 and 3 occur more than once.

Process exited after 6.718 seconds with return value 0
Press any key to continue . . .
```