

42. Write a program to reverse an array using pointers.

```
#include <stdio.h>

void reverseArray(int *arr, int size) {
    int *start = arr;
    int *end = arr + size - 1;
    while (start < end) {
        int temp = *start;
        *start = *end;
        *end = temp;
        start++;
        end--;
    }
}

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

-----Question 42-----

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-----Answer-----

executables/42_rev-arr-pointer

/home/s4ms3pi0l/Documents/AssignEase/C_Programs/42_rev-arr-pointer.c

Compilation successful.

Enter the size of the array: 5