

Calculate sum of array elements

```
#include <stdio.h>
```

```
int main()
```

```
{ int n, i, sum = 0;
```

```
printf ("Enter the number of elements: ");
```

```
scanf ("%d", &n);
```

```
int arr[n];
```

```
printf ("Enter the elements: ");
```

```
for (i=0; i<n; i++) {
```

```
scanf ("%d", &arr[i]);
```

```
}
```

```
for (i=0; i<n; i++) {
```

```
sum = sum + arr[i];
```

```
}
```

```
printf ("Sum of array elements = %d\n", sum);
```

```
return 0;
```

```
}
```

Example input

Enter the number of elements: 5

Enter the elements:

10 20 30 40 50

Output

Sum of array elements = 150.

Reverse array in C

```
#include <stdio.h>
int main() {
    int n;
    printf("Enter the number of elements : ");
    scanf("%d", &n);
    int arr[n];
    printf("Enter the elements : \n");
    for (i = 0; i < n; i++) {
        scanf("%d", &arr[i]);
    }
    for (i = 0; i < n/2; i++) {
        int temp = arr[i];
        arr[i] = arr[n - 1 - i];
        arr[n - 1 - i] = temp;
    }
    printf("Reversed array : \n");
    for (i = 0; i < n; i++) {
        printf("%d ", arr[i]);
    }
    return 0;
}
```

Example Input

Enter the number of elements : 5

Enter the elements :

10 20 30 40 50

Output

Reversed array :

50 40 30 20 10

```

find maximum value in an array

#include <stdio.h>
int main() {
    int n, i, max;
    printf ("Enter the number of elements: ");
    scanf ("%d", &n);
    int arr[n];
    printf ("Enter the elements: \n");
    for (i=0; i<n; i++) {
        scanf ("%d", &arr[i]);
    }
    max = arr[0];
    for (i=1; i<n; i++) {
        if (arr[i] > max) {
            max = arr[i];
        }
    }
    printf ("Maximum value=%d\n", max);
    return 0;
}

```

Output enter the number of elements: 5

Maximum value=89
Enter the elements: 12 45 78 93 34

Output

Maximum value =89