

```

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

```

Input

5
10 45 23 78 56

Output

maximum value = 78

Calculate sum of array elements.

```
#include <stdio.h>
int main() {
    int n, i, sum=0;
    printf("Enter number of elements:");
    scanf("%d", &n);
    int a[n];
    printf("Enter %d elements:", n);
    for(i=0; i<n; i++) {
        scanf("%d", &a[i]);
        sum += a[i];
    }
    printf("sum of Array Elements = %d", sum);
    return 0;
}
```

Input

4

5 10 15 20

Output

Sum of Array Elements = 50

Reverse an array

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

y

Input

5
10 20 30 40 50

Output

Reversed array : 50 40 30 20 10