

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;
}
```

Input

5

10 20 30 40 50

Output

Reversed array : 50 40 30 20 10