- Wizard.

## WAP to find the largest element of an array:

```
[wizard@archlinux tuto]$ ./a.out
99
[wizard@archlinux tuto]$
```

## WAP to sort array elements in ascending order

```
#include <stdio.h>
void bSort(int *a, int size) {
    for (int i = 0; i < size - 1; i++) {
        for (int j = 0; j < size - 1 - i; j++) {
            if (a[j] > a[j + 1]) {
                a[j] ^= a[j + 1];
                a[j + 1] ^= a[j];
                a[j] ^= a[j + 1];
int main() {
    int a[] = {3,2,1,5,6,12,99};
    int size = sizeof(a) / sizeof(a[0]);
    bSort(a, size);
    for (int i = 0; i < size; i++) {</pre>
        printf("%d, ", a[i]);
    return 0;
[wizard@archlinux tuto]$
```

## WAP to read 10 numbers from keyboard to store these num into array and then calculate sum of these num using function

```
finclude <stdio.h>

void sum(int *a, int size) {
    int sum = 0;
    for (int i = 0; i <- size = 1; i++) {
        sum += *(a+i);
    }
    printf("Sum: %d", sum);
}

int main() {
    int size;
    printf("Enter size: ");
    scanf("%d", saize);
    int arr[size];
    for (int i = 0; i < size; i++) {
        printf("Enter Element: ");
        scanf("%d", (arr+i));
    }
}
sum(arr, size);
}</pre>
```

```
[wizard@archlinux tuto]$ ./a.out
Enter size: 10
Enter Element: 1
Enter Element: 2
Enter Element: 3
Enter Element: 4
Enter Element: 5
Enter Element: 6
Enter Element: 7
Enter Element: 8
Enter Element: 9
Enter Element: 9
Enter Element: 0
Sum: 45
[wizard@archlinux tuto]$
```

WAP reads two 2-D arrays, adds the corresponding elements and displays the result on the screen.

```
Enter row,col: 3,3
Enter element: 1
Enter element: 2
Enter element: 3
Enter element: 4
Enter element: 5
Enter element: 6
Enter element: 7
Enter element: 8
Enter element: 8
[1,2,3,],
[4,5,6,],
[7,8,8,],
[wizard@archlinux tuto]$
```

5. WAP to store the name of week days and then print all.

```
include <stdio.h>
int main() {
    char weekdays[7][9];
    for (int i = 0; i <= 6; i++) {
        printf("Enter day:");
        scanf("%s",weekdays[i]);
    }
    for(int i = 0; i <= 6; i++) {
        printf("%d. %s\n",i,weekdays[i]);
    }
}

-
[wizard@archlinux tuto]$ ./a.out
Enter day:Sunday
Enter day:Sunday
Enter day:Wonday
Enter day:Wonday
Enter day:Wednesday
Enter day:Tuesday
Enter day:Tuesday
Enter day:Thuesday
Enter day:Triday
Enter day:Triday
Enter day:Triday
Enter day:Triday
Enter day:Sunday
Enter day:Sunday
Enter day:Sunday
Enter day:Sunday
Enter day:Tuesday
Enter day:Tuesday
Enter day:Tuesday
Enter day:Tuesday
Enter day:Sunday
```

## 6. WAP to swap the number using a pointer(call by value and call by reference).

Sunday
 Monday
 Tuesday

5. Friday6. Saturday

3. WednesdaThursdayFriday

4. ThursdayFriday

```
[wizard@archlinux tuto]$ ./a.out
a: 4, b: 5
[wizard@archlinux tuto]$
```