Pointer Application
Finding the Largest and Smallest Element in an Array

finding largest number without pointer:

```
int main() {
    int a[5] = {4, 5, 6, 7, 8};
    min = a[0]
    max = a[0]   // both are initialized with the first element of the array.
    for (i=0; i<5; i++) {
        if (a[i] < min) {
            min = a[i];
        }
        if (a[i] > max) {
            max = a[i];
        }
    printf ("min = %d \n", min);
    printf ("max = %d \n", max);
    return 0;
    }
```

Using pointer:

```
#include<stdio.h>
void minMax(int a[], int len, int *min, int *max);
int main(){
    int a[] = {5,6,10,7,8,6,2}
    int len = sizeof(a)/sizeof(a[0]);
    int min, max;
    minMax(int a, len, &min, &max);
    printf("Min: %d, Max: %d", min, max);
    return 0;
}
void minMax(int a[], int len, int *min, int *max){
    *min = *max = a[0];
    int i;
    For(i=1, i<len; i++){
        if(a[i]>*max){*max = a[i];}
        if(a[i]<*min){*min = a[i];}
    }
}
```

Same Code.

2 different function

So using pointer we can change the variable in main function cos with normal coding we can't return value of 2 variable at a time.

using stars mean we are dealing with the values of that address.