```
-> Algos boils down to comparison sorting searching.
Three sorting Algos.

| Bubble Sort [Best O(n), Worst O(n2)]

| Selection [Best (Worst, O(n2)]]

| Sneetion [O(n), O(n2)]
Bubble Sort
    int main ()
           int n, i, applio], j, tempio
               11 Get numbers from user
            for ( i = 1; i < n; 1++)
                 ¿ sor (j=0; j < (n-1); j++), c.(n×n)
                          it ( oze [ ] > oze [ ]+1]; !
                              cer [ ] = aer [ ] ;

cer [ ] = aer [ ];

temp = aer [ ];
  Example at [5, 1, 4, 8, 8]
  (5,1,4,2,8) -> (1,5,4,2,8) -> (1,4,5,2,8) -> (1,4,2,5,8)
 First Pass
 Second Pass
   (1,4,2,5,8) -> (1,2,4,5,8)
Third Pass
     (1,2,4,5,8).
           -> Have to do one pass.
```