What is an Algorithm:

An Algorithm is a procedure to accomplish a specific task, an idea behind any reasonable computer program

An algorithm is a procedure that takes any possible input instances and transforms it to desired output

Following is the example of Insertion sort.
Insertion sort is a method for sorting that starts with a single element and then incrementally inserts the remaining elements so that the list stays sorted

```
insertion_sort(item s[], int n)
 {
   Int I, j;
     for ( i =1; i < n; i++)
       {
          j= i;
            while ((j>0) && (s[j]<s[j-1]))
                {
                   swap (&s[j], &[j-1]);
                     j=j-1;
                }
        }
 }
```

```python
def insertionSort(alist):
  for index in range(1,len(alist)):

    currentvalue = alist[index]
    position = index

    while position>0 and alist[position-1]>currentvalue:
       alist[position]=alist[position-1]
       position = position-1

    alist[position]=currentvalue

alist = [54,26,93,17,77,31,44,55,20]
insertionSort(alist)
```

```
print(alist)
```