

CMPE 232 - Week 3
Assignment 02

Insertion Sort Pseudocode:

```
i ← 1
while i < length(A)
  j ← i
  while j > 0 and A[j-1] > A[j]
    swap A[j] and A[j-1]
    j ← j - 1
  end while
  i ← i + 1
end while
```

Assignment Questions:

Question 1:

Write a program by using any programming languages you want (JAVA, Python or C++ or etc.) and implement an insertion sort algorithm. You can use the Insertion Sort Pseudocode which is shared above.

Question 2:

Write three test cases by using arrays (as a given list parameter) which include at least 15 elements. One of these cases has random chosen elements, the other two cases' arrays must meet the best and worst case requirements of insertion sort.