**Bubble Short Algorithm**

**By Rifai Martin (01085230004)**

1. **How the Algorithm is works?**

Compare and swap if true condition between n>n+1 to swap value n+1 to n.

1. **How Passing parameter By Reference helps in the algorithm?**

It allows a function to modify a variable without having to create a copy of it. We have to declare reference variables. The memory location of the passed variable and parameter is the same and therefore, any change to the parameter reflects in the variable as well.

1. **In what aspect do you think the algorithm can be improved and why?**

There are ways to reduce the pain. Track the lowest and highest indexes swapped and use those as starting and ending points for the next iteration, as well, limiting sorted ranges to very small values.s