DAY 5 ASSIGNMENT

1. Write the function for insertion sort.

Ans)

#include <math.h>

#include <stdio.h>

// Insertion Sort Function

**void** insertionSort(**int** array[], **int** n)

{

**int** i, element, j;

**for** (i = 1; i < n; i++) { element = array[i]; j = i - 1; **while** (j >= 0 && array[j] > element) {

            array[j + 1] = array[j];

            j = j - 1;

        }

        array[j + 1] = element;

    }

}

// Function to print the elements of an array

**void** printArray(**int** array[], **int** n)

{

**int** i;

**for** (i = 0; i < n; i++)

        printf("%d ", array[i]);

    printf("n");

}