

Assignment Day 5 | 29th December 2020

Question-1:

1. Write the function for insertion sort.

Function for insertion sort

```
void Insertion_Sort(int array[], int numbers)
```

```
{
    int i, j, key;
    for (i = 1; i < numbers; i++)
    {
        key = array[i];
        j = i - 1;
        while (j >= 0 && array[j] > key)
        {
            array[j + 1] = array[j];
            j = j - 1;
        }
        array[j + 1] = key;
    }
}
```

```
void Display(int array[], int numbers)
```

```
{
    for (int i = 0; i < numbers; i++)
    {
        printf(" %d", array[i]);
    }
    printf("\n");
}
```