**Practice 03:**

**Implementation of Insertion Sort**

Code:

**package** leet;

**import** java.util.\*;

**class** Solution {

// Function to sort array using insertion sort

**void** sort(**int** arr[])

{

**int** n = arr.length;

**for** (**int** i = 1; i < n; ++i) {

**int** key = arr[i];

**int** j = i - 1;

**while** (j >= 0 && arr[j] > key) {

arr[j + 1] = arr[j];

j = j - 1;

}

arr[j + 1] = key;

}

}

// function for printing array

**static** **void** printArray(**int** arr[])

{

**int** n = arr.length;

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

System.***out***.print(arr[i] + " ");

System.***out***.println();

}

// Main method

**public** **static** **void** main(String args[])

{

**int** arr[] = { 12, 11, 13, 5, 6 };

Solution ob = **new** Solution();

ob.sort(arr);

*printArray*(arr);

}

}