72.Bubble Sort

AIM: Write a pyhton program to sort an elements by using Bubble sort

PROGRAM:

```python
def bubble_sort(arr):
    n = len(arr)
    for i in range(n):
        for j in range(0, n-i-1):
            if arr[j] > arr[j+1]:
                arr[j], arr[j+1] = arr[j+1], arr[j]
    return arr
arr = [64, 34, 25, 12, 22, 11, 90]
sorted_arr = bubble_sort(arr)
print("Sorted array is:", sorted_arr)
```

OUTPUT:

```
Sorted array is: [11, 12, 22, 25, 34, 64, 90]
```

TIME COMPLEXITY: O(n^2)