```
2. Bubble Sort:
Program:
def bubble_sort(arr):
  n = len(arr)
  # Traverse through all array elements
  for i in range(n):
    # Last i elements are already in place
    for j in range(0, n - i - 1):
       # Traverse the array from 0 to n-i-1
      # Swap if the element found is greater than the next element
       if arr[j] > arr[j + 1]:
         arr[j], arr[j + 1] = arr[j + 1], arr[j]
  return arr
# Example usage:
arr = [64, 34, 25, 12, 22, 11, 90]
sorted_arr = bubble_sort(arr)
print("Sorted array:", sorted_arr)
```

Output:

```
"C:\Program Files\Python312\python.exe" "C:\Work Space\DAA\DAA COADS.PYTHON\program 74.py" Sorted array: [11, 12, 22, 25, 34, 64, 90]

Process finished with exit code 0
```

Time complexity:

O(n^2)