

```
# Function for Selection Sort
```

```
def selection_sort(arr):  
    n = len(arr)  
    for i in range(n):  
        min_index = i  
        for j in range(i + 1, n):  
            if arr[j] < arr[min_index]:  
                min_index = j  
        arr[i], arr[min_index] = arr[min_index], arr[i]  
    return arr
```

```
# Function for Bubble Sort
```

```
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
```

```
def main():
```

```
    while True:
```

```
        print("\nChoose a sorting algorithm:")
```

```
        print("1. Selection Sort")
```

```
        print("2. Bubble Sort")
```

```
        print("3. Exit")
```

```
        choice = int(input("Enter choice: "))
```

```
        if choice in [1, 2]:
```

```
            arr = list(map(float, input("Enter a list of floating-point numbers (space-separated): ").split()))
```

```
if choice == 1:  
    sorted_arr = selection_sort(arr)  
    print("Sorted array (Selection Sort):", sorted_arr)
```

```
elif choice == 2:  
    sorted_arr = bubble_sort(arr)  
    print("Sorted array (Bubble Sort):", sorted_arr)
```

```
elif choice == 3:  
    break
```

```
else:  
    print("Invalid choice. Please try again.")
```

```
if __name__ == "__main__":  
    main()
```