

```
#!/bin/bash
```

```
# Function to sort array in ascending order
```

```
sort_array() {
```

```
    local array=("$@")
```

```
    local length=${#array[@]}
```

```
    for ((i = 0; i < length-1; i++)); do
```

```
        for ((j = 0; j < length-i-1; j++)); do
```

```
            if [ ${array[j]} -gt ${array[j+1]} ]; then
```

```
                # Swap elements
```

```
                temp=${array[j]}
```

```
                array[j]=${array[j+1]}
```

```
                array[j+1]=$temp
```

```
            fi
```

```
        done
```

```
    done
```

```
    echo "${array[@]}"
```

```
}
```

```
# Read array elements from the user
```

```
echo "Enter the elements of the array (separated by spaces):"
```

```
read -a input_array
```

```
# Call the sort_array function
```

```
sorted_array=($(sort_array "${input_array[@]}"))
```

```
# Print the sorted array
```

```
echo "Sorted array in ascending order: ${sorted_array[@]}"
```