

Source Code Link:

https://drive.google.com/drive/folders/1wH_q39uOVfkJOTaPJg2G9VjRPvupFEpt?usp=sharing

Members:

Louigie Caday

Eric Lor

Jayson Huub Partido

Meinard Edrei Santos

A. Bubble Sort

```
Enter array size: 5
Enter 5 array elements: 45 10 35 5 3
Choose Sorting Algorithm:
A. Bubble Sort
B. Selection Sort
C. Insertion Sort
D. Merge Sort
Type (A/B/C/D) only: a
BUBBLE SORT
10 35 5 3 45
10 5 3 35 45
5 3 10 35 45
3 5 10 35 45
```

B. Selection Sort

```
Enter array size: 5
Enter 5 array elements: 45 10 35 5 3
Choose Sorting Algorithm:
A. Bubble Sort
B. Selection Sort
C. Insertion Sort
D. Merge Sort
Type (A/B/C/D) only: B
SELECTION SORT
3 10 35 5 45
3 5 35 10 45
3 5 10 35 45
3 5 10 35 45
```

C. Insertion Sort

```
Enter array size: 5
Enter 5 array elements: 45 10 35 5 3
Choose Sorting Algorithm:
A. Bubble Sort
B. Selection Sort
C. Insertion Sort
D. Merge Sort
Type (A/B/C/D) only: c
INSERTION SORT
10 45 35 5 3
10 35 45 5 3
5 10 35 45 3
3 5 10 35 45
```

D.

E. Merge Sort

```
Enter array size: 5
Enter 5 array elements: 9 5 1 4 3
Choose Sorting Algorithm:
A. Bubble Sort
B. Selection Sort
C. Insertion Sort
D. Merge Sort
Type (A/B/C/D) only: D
MERGE SORT
5 9 1 4 3
1 5 9 4 3
1 5 9 3 4
1 3 4 5 9
```