# Binary Heap

1. Write a program to find k largest element in an array. You have use binary heap to solve the above mentioned problem

| Sample Input | Sample Output |
|---|---|
| 1, 23, 12, 9, 30, 2, 50 | K:3<br>Element: 50, 30, 23 |

2. Write a program to sort elements of an array in ascending order using Binary Heap.

| Sample Input | Sample Output |
|---|---|
| 12, 11, 13, 5, 6, 7 | 5 6 7 11 12 13 |

3. Write a program to convert an array representing Min Heap to Max Heap.

| Sample Input | Sample Output |
|---|---|
| 3 5 9 6 8 20 10 12 18 9 | 20 18 10 12 9 9 3 5 6 8 or [any Max Heap formed from input elements] |

4. Write a program to find smallest and largest element of a binary heap.

| Sample Input | Sample Output |
|---|---|
| 3 5 9 6 8 20 10 12 18 9 | Min: 3<br>Max: 20 |