```
PS C:\Users\Spandan Mahat\OneDrive\Documents\1-2025spring\cse5311 Algorithms\assignments\allH
ndsOn\algorithmsAllHandsOn\handsOn5> python min_heap.py
Built Heap:  [1, 3, 25, 17, 19, 100, 36]
Popped element:  1
Heap after pop:  [3, 17, 25, 36, 19, 100]
Peek element:  3



Built Heap:  [5.9, 18.3, 10.2, 22.1, 50.0, 30.5, 45.7]
Popped element:  5.9
Heap after pop:  [10.2, 18.3, 30.5, 22.1, 50.0, 45.7]
Peek element:  10.2
```

All functionalities requested in the assignment have been implemented using the pseudocode from the course recommended book (CLRS). This is an example run of the file min_heap.py that implemented all the required functions for the assignment.