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## **DAA HANDS ON 5**

The code demonstrates implementation of **Min Heap**. This heap can handle various types, including int, float, etc.

## **Key features:**

- 1. **build\_min\_heap**: Converts an array into a min-heap.
- 2. **heapify**: Heapifies the tree. This ensures that the min heap property is maintained.
- 3. insert: adds new element to the heap.
- 4. **pop**: Removes and returns the root node.

The examples in the code illustrate the heap working with:

- A list of integers
- A list of floating-point numbers
- A list of tuples (demonstrating that the heap can manage complex data structures)