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public void insert(int value) {
    if (heapSize == data.length - 1) {
        data[heapSize - 1] = value;
    } else {
        data[++heapSize] = value;
    }
    int i = heapSize;
    while(data[getParentIndex(i)] > data[i]) {
        int tmp = data[getParentIndex(i)];
        data[getParentIndex(i)] = data[i];
        data[i] = tmp;
        i = getParentIndex(i);
    }
}

public void print(){
    for (int i = 0; i < data.length; i++) {
        System.out.println(data[i]);
    }
}

public static void main (String[] args) {
    BinaryMinHeap heap = new BinaryMinHeap(6);
    heap.insert(1);
    heap.insert(3);
    heap.insert(6);
    heap.insert(5);
    heap.insert(9);
    heap.insert(8);
    heap.print();
}

```