ADS-LAB-10

Nitish. N, 8
1BM18CS065

```
Node deleteBHeap(Node *h, int val){
    if (h is NULL)
        return NULL;
    decreaseKeyBHeap(h, val, INT_MIN)
    return extractMinBHeap(h);

void decreaseKeyBHeap(Node *H, int old, int new)
    Node *node = findNode(H, old);
    if (node is NULL)
        return
    node -> val = new
    parent = node->parent
    while(parent != NULL && node->val < parent->val)
        swap(node->val, present->val);
        node = parent
        parent = parent ->parent
```

```
// Function to Delete an Element from B Heap.
Node * binoDelete(node *h, int val){
// check if heap is empty or not.
// Reduce value to minimum.
// Delete minimum element From Bheap .
 if(n == NULL)
    return NULL;
 decreaseKeyBino(n, val, int_min);
 return extractmin(n);
}

// Find node
 Node *FindNode(node *h, int val){
  if(n == NULL)
     return NULL;
  if(n->val == val)
    return h;
  Node *res = findNode(h->child, val);
     if(res != NULL)
        return res;
     return findnode(h->sibling, val);
}
```