

// Function to decrease the value of old_val

// to new_val

void decreaseKey BHeap (Node *H, int old_val,
int new_val)

{

// First check element present or not

Node *node = findNode (H, old_val);

// return if Node is not present

if (node == NULL)

return;

// Reduce the value to the minimum

node->val = new_val;

Node *parent = node->parent;

// update the heap according to reduced value
while (parent != NULL && node->val < parent->val)

{

swap (node->val, parent->val);

node = parent;

parent = parent->parent;

}

}

```
// Function to delete an element  
Node *binomialHeapDelete(Node *h, int val)  
{
```

```
    // Check if heap is empty or not  
    if (h == NULL)  
        return NULL;
```

```
    // Reduce the value of element to minimum  
    decreaseKeyBHeap(h, val, INT_MIN);
```

```
    // Delete the minimum element from heap  
    return extractMinBHeap(h);  
}
```