Lab 7 - Dictionary

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```
insert(key)
    index = int(key % max)
    ptr[index] = (node *) malloc(sizeof(node))
    ptr[index] -> data = key
    if !root[index]
            root[index] = ptr[index]
            root[index] => next NULL
            temp[index] = ptr[index]
    else
            temp[index] = root[index]
            while temp[index] -> next
                    temp[index] = temp[index] -> next
            temp[index] -> next = ptr[index]
```

```
search(key)
    index = int(key % max)
    temp[index] = root[index]
    while temp[index]
            if temp[index] -> data = key
                    cout << "Found"
                    return
            else temp[index] = temp[index] -> next
    cout << "Not found"
```

```
delete (key)
    i = key % max
    temp[i] = root[i]
    while temp[i] && temp[i]->data != key
        prev[i] = temp[i]
        temp[i] = temp[i]->next
    ptr[indeft]->next = temp[i]->next
    cout << "Deleted"
```