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Lab-08

```
void Dictionary::search (int key) {  
    int flag = 0;  
    index = int (key / max);  
    temp [index] = root [index];  
    while (temp [index] != null) {  
        if (temp [index] -> data == key) {  
            cout << "In search success";  
            flag = 1;  
            break; }  
        else  
            temp [index] = temp [index] -> next;  
    }  
    if (flag == 0)  
        cout << "In search unsuccessful";  
}
```

```
void Dictionary::Dictionary () {  
    index = -1;  
    for (int i = 0; i < max; i++) {  
        root [i] = null;  
        ptr [i] = null;  
        temp [i] = null;  
    }  
}
```

```
void Dictionary::insert (int key)  
{  
    index = int (key / max);  
    ptr [index] = (node_type*) malloc (sizeof  
        (node_type));  
}
```

01

Rudra

```

ptr[index] => data = key;
if (root[index] == null) {
    root[index] = ptr[index];
    root[index] => next = null;
    temp[index] = ptr[index];
}

```

```

else {
    temp[index] = root[index];
    while (temp[index] -> next != null)
        temp[index] = temp[index] -> next;
    temp[index] -> next = ptr[index];
}
}

```

(02)

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