

Dictionary() {

i = -1, j = 0;  
while (j < max) {

root[ptr, temp] = NULL;  
i++;  
}

}

insert(data) {

i = data % max;

ptr[i] → val = data;

if (root[i] == NULL) {

root[i] = temp[i] = ptr[i];

root[i] → next = NULL

}

else {

if insert ptr[i] at the end of temp

while (temp → next != NULL)

temp = temp → next;

temp → next = ptr[i]

}



delete (data) {

i = data % max;

temp[i] = root[i];

while (temp[i] → val != data and temp[i] != NULL) {

ptr = temp;

temp = temp → next;

}

ptr[i] → next = temp → next;

temp[i] → val = -1;

temp[i] = NULL;

free(temp[i]);

}