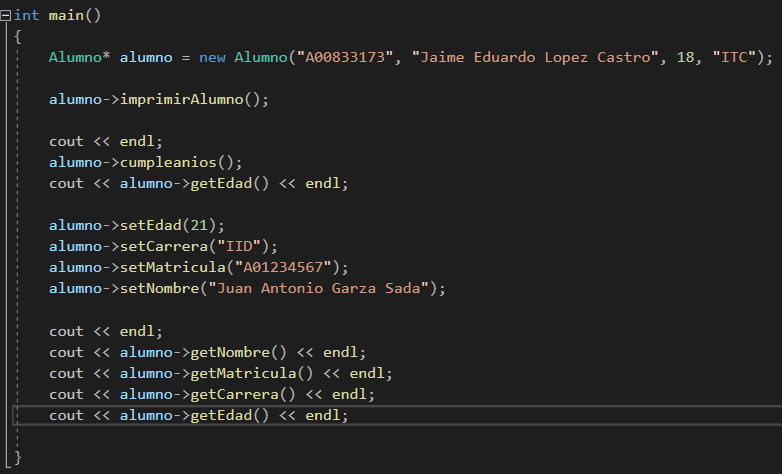
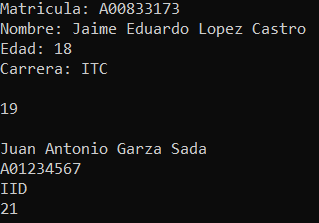
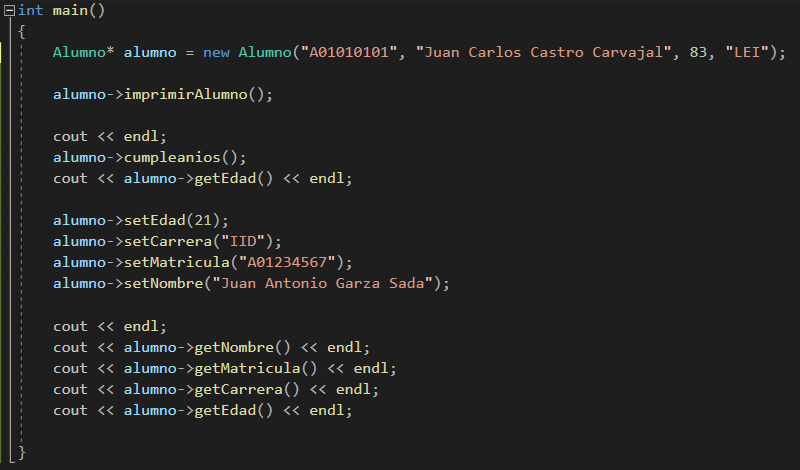
Input:

Output:



Input:



Output:

