class Stack:

def \_\_init\_\_(self):

self.items = []

def is\_empty(self):

return self.items == []

def push(self, item):

self.items.append(item)

def pop(self):

return self.items.pop()

def peek(self):

return self.items[-1]

stack = Stack()

print(stack.is\_empty())

stack.push(1)

stack.push(2)

stack.push(3)

print(stack.is\_empty())

print(stack.peek())