Q1. Implement a stack using a list in Python. Include the necessary methods such as push, pop, and isEmpty.

Ans.

class Stack:

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

self.stack = []

def push(self, item):

self.stack.append(item)

def pop(self):

if self.isEmpty():

raise IndexError("Stack is empty")

return self.stack.pop()

def isEmpty(self):

return len(self.stack) == 0