class Node:

    def \_\_init\_\_(self, data):

        self.data = data

        self.next = None

        self.prev = None

class DoublyLinkedList:

    def \_\_init\_\_(self):

        self.head = None

    def insert\_at\_beginning(self, data):

        new\_node = Node(data)

        # case 1: list is empty

        if (self.head == None):

            self.head = new\_node

            return

        # list has one or more nodes

        new\_node.next = self.head

        self.head.prev = new\_node

        self.head = new\_node