Q2. Implement a queue using a list in Python. Include the necessary methods such as enqueue, dequeue, and isEmpty

Ans.

class Queue:

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

self.queue = []

def enqueue(self, item):

self.queue.append(item)

def dequeue(self):

if self.isEmpty():

raise IndexError("Queue is empty")

return self.queue.pop(0)

def isEmpty(self):

return len(self.queue) == 0