

Institute of Space Technology

Data Structure and Algorithm

LAB #02

Date: 25 Oct,2021.

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# QUESTION #01:

# CODE:

import numpy as np

class queue:

  def \_\_init\_\_(self):

    self.element=np.arange(10)

  def display(self):

    return self.element

  def enqueue(self,data):

    x=np.append(self.element,data)

    return x

  def dequeue(self):

    x=np.delete(self.element,0)

    return x

q=queue()

q.display()

q.enqueue(5)

q.dequeue()

**OUTPUT:**

**Graphical user interface, text, application, email

Description automatically generated**