                         ARRAY IMPLEMENTATION OF QUEUE

class Queue:

    def \_\_init\_\_ (self):

        self.queue=[]

    def is\_empty(self):

        return len(self.queue) == 0

    def enqueue(self,item):

        self.queue.append(item)

   def dequeue(self):

        if self.is\_empty():

            raise IndexError("Queue is empty")

        return self.queue.pop(0)

    def peek(self):

        if self.is\_empty():

            raise IndexError("Queue is empty")

        return self.queue[0]

    def size(self):

        return len(self.queue)

q=Queue()

q.enqueue(10)

q.enqueue(20)

q.enqueue(30)

print("Queue after enqueuing elements:",q.queue)

print("dequeue elements:",q.dequeue())

print("front elements:",q.peek())

print("Queue size:",q.size())

OUTPUT:

Queue after enqueuing elements: [10, 20, 30]

dequeue elements: 10

front elements: 20

Queue size: 2