```
DLL:
                                               current = DLL
def createNode(data):
                                              while current["next"] is not
                                          None:
    return {"data": data, "next":
None, "prev": None}
                                                   current = current["next"]
def insertAtHead(DLL, data):
                                              while current["prev"] is not
                                          None:
    newNode = createNode(data)
                                                   print(current["data"],
    if DLL is None:
                                           end="<-")
        return newNode
                                                   current = current["prev"]
    newNode["next"] = DLL
                                               print(current["data"])
    DLL["prev"] = newNode
                                           def printRange(DLL, start, end):
    return newNode
                                               current = DLL
def insertAtTail(DLL, data):
                                               for i in range(start):
    newNode = createNode(data)
                                                   current = current["next"]
    if DLL is None:
                                               for i in range(start, end):
        return newNode
                                                   print(current["data"],
                                           end="->")
    current = DLL
                                                   current = current["next"]
   while current["next"] is not
None:
                                               print(current["data"])
        current = current["next"]
    current["next"] = newNode
                                          Queue:
    newNode["prev"] = current
                                           def enqueue(queue,
                                           queueMaxCapacity, newData):
    return DLL
                                               frontIndex = queueMaxCapacity -
def printAtHead(DLL):
                                           1
    current = DLL
                                               rearIndex = 0
   while current["next"] is not
                                               if queue[frontIndex] is None:
None:
                                                   queue[frontIndex] = newData
        print(current["data"],
end="->")
                                                   return queue
        current = current["next"]
                                               if queue[rearIndex] is not
                                          None:
    print(current["data"])
                                                   print('antrian penuh')
def printAtTail(DLL):
```

```
return queue
                                               count = 0
    for i in
                                               for i in
range(queueMaxCapacity-2, -1, -1):
                                          range(queueMaxCapacity):
        if queue[i] is None:
                                                   if queue[i] is not None:
            queue[i] = newData
                                                       count += 1
            return queue
                                               return count
def queueIsEmpty(frontIndex,
                                          Stack:
aueue):
                                          def
    return queue[frontIndex] is
                                           calculate_sum_of_squares(stack):
None
                                               total = 0
def dequeue(queue,
                                               for i in range(len(stack)):
queueMaxCapacity):
                                                   total += stack[i] *
    frontIndex = -1
                                           stack[i]
    tempQueue = queue
                                              return total
    queue = [None] *
                                           def
queueMaxCapacity
                                           calculate_product_of_squares(stack)
    if queueIsEmpty(frontIndex,
tempQueue):
                                              total = 1
        return tempQueue
                                               for i in range(len(stack)):
    for i in
                                                   total *= stack[i] *
range(queueMaxCapacity-2, -1, -1):
                                           stack[i]
        queue[i+1] = tempQueue[i]
                                               return total
    return queue
def countAvailable(queue,
queueMaxCapacity):
    count = 0
    for i in
range(queueMaxCapacity):
        if queue[i] is None:
            count += 1
    return count
def countData(queue,
queueMaxCapacity):
```