Data Structures & Algorithms using Python

Quiz Answers

Queues

Name : **Harsh Siddhapura**

Degree : **Bachelor of Technology**

Dept. : **Information & Communication Technology**

----

1. A queue is a ?

FIFO (First In First Out) list
LIFO (Last In First Out) list
Ordered array
Linear tree

----

2. If the elements "p", "q", "r" and "s" are placed in a queue and are deleted one at a time, in what order will they be removed?

srqp
pqrs
srpq
qrsp

----

3. In optimized linked list implementation of a queue, where does a new element be inserted?

At the head of linked list
At the tail of the linked list
At the centre position in the linked list
None

----

4. In linked list implementation of queue, if only front pointer is maintained, which of the following operation take worst case time (i.e. O(n))?

Insertion from rear
Deletion from front
Both
None