Empty Queue with fixed size 5

Front = -1
Rear = -1

Enqueue(10)

10				

Front = 0
Rear = 0

Enqueue(20)

10	**20**			

Front = 0   Rear = 1

Enqueue(30)

10	**20**	**30**		

Front = 0   Rear = 2

Enqueue(40)

10	20	30	40	

Front = 0   Rear = 3

Enqueue(50)

10	20	30	40	50

Front = 0   Rear = 4

Enqueue(60)

10	20	30	40	50

Front = 0   Rear = 4

Prints **queue is full** as rear reached the end of the queue

Queue

10	20	30	40	50

Front = 0   Rear = 4

Dequeue()

	20	30	40	50

Front = 1   Rear = 4

Dequeue()

		30	40	50

Front = 2   Rear = 4

Dequeue()

			40	50

Front = 3   Rear = 4

Dequeue()

					50

Front = 4
Rear = 4

Dequeue()

Front = -1
Rear = -1

It prints **queue is empty** since there are no elements to delete