

Quiz-1

1. d

```
2. for i in range(len(array)-1, 0, -1):
    array[i] = array[i-1]
array[0] = 0
```

3. Class Lecture

4. ~~so~~ a) $counter = (counter + 1) \% capacity$
b) ~~for~~ $counter -= 1$
if $counter < 0$:
 $counter = capacity - 1$

c) $last = (start + size - 1) \% capacity$
 $= (-3 + 5 - 1) \% 7$
 $= 1$

5. a) ⁱcin_arr = [0, 0, 0, 14, 41, 33, 43, 25, 327]

(ii) $[25, 32, 0, 0, 0, 14, 41, 33, 43]$

b) 3 elements -

[32, 0, 0, 0, 0, 14, 41, 43, 25]

G. a) ~~14 → 41 → 33 → 43 → 25 → 32~~

G. (a)

14 → 41 → 33 ~~→ 43~~ → 25 → 32 → None
↘ 15 ~~→ None~~

① head
~~→ None~~
head
→ 14 ~~→ 41~~ → 33 → 43 → 25 → 32 ~~→ None~~

head
~~→ None~~
head
41 ~~→ 33~~ → 43 → 25 → 32 → 14 ~~→ None~~

head
33 → 43 → 25 → 32 → 14 → 41 → None