

Qn) Insert an element with an array.

(i)

$x = 60;$

$y = 2;$

$u = u + 1$

$i = u$

While ($i > y$);

{

$a[i] = a[i-1];$

$i = i - 1;$

}

$a[y] = x;$

10	20	50	40	30
0	1	2	3	4
↑		↓		↑
L		60		U

(ii)

$u = u + 1$

$i = u;$

$5 = i$

While ($5 > 2$);

{

$a[5] = a[4];$

$i = 5 - 1$

$= 4$

}

10	20	50	40	30	
0	1	2	3	4	5
↑					↑
L					U

10	20	50	40		30
0	1	2	3	4	5