

הכנסת צרכים לרשימה בלולאה

מהתחלה לסוף

הערכים יוכנסו לרשימה לפי סדר קליטתם, כך שבסיום יהיה האיבר הראשון בתחילת הרשימה והאיבר האחרון בסופה.

דרך א' – איבר ראשון נקלט / מוכנס לפני הלולאה

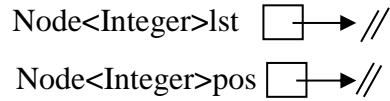
```
Node<Integer> lst = new Node<Integer> (0);
Node<Integer> pos = lst;
for (int i = 1 ; i < 4 ; i++)
{
    pos.setNext (new Node<Integer> (i));
    pos = pos.getNext();
}
```

דרך ב' – קלט כל האיברים נקלטים / מוכנסים בתוך הלולאה

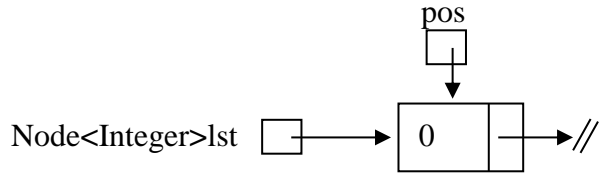
```
Node<Integer> lst = null;
Node<Integer> pos = null;
for (int i = 0 ; i < 4 ; i++)
{
    if (pos == null)
    {
        lst = new Node<Integer> (i);
        pos = lst;
    }
    else
    {
        pos.setNext (new Node<Integer> (i));
        pos = pos.getNext();
    }
}
```

ביצע בשלבים :

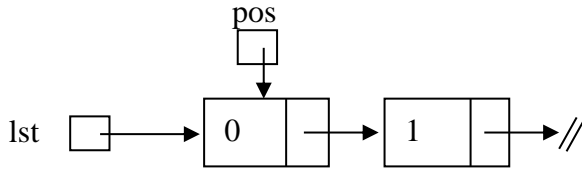
```
Node<Integer> lst = new Node<Integer> ();
Node<Integer> pos = null;
```



```
i = 0
lst = new Node<Integer> (i);
pos = lst;
```

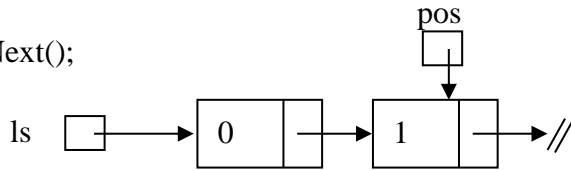


```
i = 1
pos.setNext (new Node<Integer> (i));
```



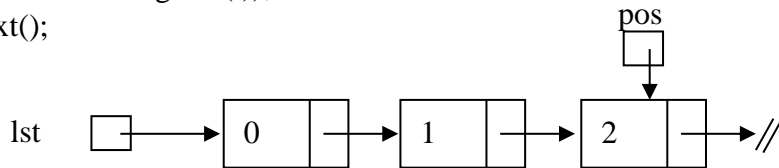
שלב 1: הכנסת חוליה חדשה אחרי pos

```
pos = pos.getNext();
```

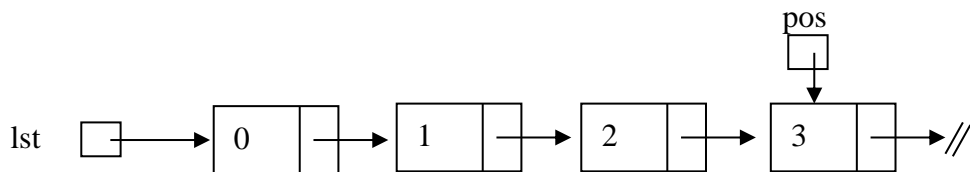


שלב 2: pos מפנה לחוליה החדשה

```
i = 2
pos.setNext (new Node<Integer> (i));
pos = pos.getNext();
```



```
i = 3
pos.setNext (new Node<Integer> (i));
pos = pos.getNext();
```



מסוף להתחלה



הערכים יוכנסו לרשימה הפוך סדר קליטתם, כך שבסיום יהיה האיבר הראשון בסוף הרשימה והאיבר האחרון בתחילתה.


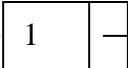
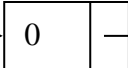
```
Node<Integer> lst = null;
for (int i = 0 ; i < 4 ; i++)
{
    lst = new Node<Integer> (i, lst);
}
```


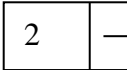
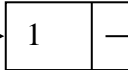
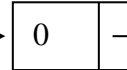
ביצע בשלבים :


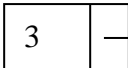
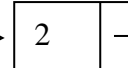
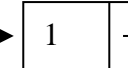
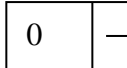
Node<Integer> lst = null; Node<Integer>lst  → //

```
for (int i = 0 ; i <= 3 ; i++)
    lst = new Node<Integer>(i, lst);
```

i = 0 lst  →  → //

i = 1 lst  →  →  → //

i = 2 lst  →  →  →  → //

i = 3 lst  →  →  →  →  → //