## 2. Array insertion

```
from array import array
arr=array('i',[1,2,3,4,5])
print("initial array-->",arr)
arr[2]=33
arr.insert(2,333)
arr.insert(0,11)
evry value that is right to first index are moved right. so this
O(n) time complexity
print("current length of array-->",len(arr))
arr.insert(7,777)
print("inserting the new value at the last index-->",arr) #here
index. so time complexity is 0(1)
OUTPUT:
initial array--> array('i', [1, 2, 3, 4, 5])
after assigning at index 2--> array('i', [1, 2, 33, 4, 5])
```

after INSERTING at Index 2--> array('i', [1, 2, 333, 33, 4, 5]) inserting the new value at the first index--> array('i', [11, 1, 2, 333, 33, 4, 5]) current length of array--> 7 inserting the new value at the last index--> array('i', [11, 1, 2, 333, 33, 4, 5, 777])