

MODIFYING LISTS

"She may not look like much, but she's got it where it counts, kid. I've made a lot of special modifications myself." -han

MODIFYING LIST...

With python a developer can add items, remove items, and even replace

items in a list. This makes list much more useful than just presenting information.

```
han_description = ['stuck-up', 'half-witted', 'scruffy-looking']
print(han_description)
han_description[2] = "Who's Scruffy Looking?"
print(han_description)

falcon_parts = ["Toplex Deflector Shield", "V-5 Navigation Comp"]
print(falcon_parts)

hans_modifications = ["L3 + V-5 Navigation", "SSP05 Hyperdrive"]
falcon_parts[1:3] = hans_modifications
print(falcon_parts)
```



An item can be replaced in place by assigning a new value to an the list's index.



You can assign multiple items at one time removing the range of items using the slice operator.

```
falcon_parts = ["Toplex Deflector Shield", "L3 + V-5 Navigation"]
print(falcon_parts)

del falcon_parts[len(falcon_parts)-1]
print(falcon_parts)

falcon_parts.append("AG-2G Laser Cannon")
print(falcon_parts)

falcon_parts.extend(["Sensor Proof Smuggler Compartment", 'Aur'])
print(falcon_parts)

falcon_parts.insert(0, "Dejarik Board")
print(falcon_parts)
```



All of these are "edit in place" It means they do not return anything. IE the result cannot be assigned to a variable.

```
falcon_parts = [  
    'Dejarik Board',  
    'Toplex Deflector Shield',  
    'L3 + V-5 Navigation',  
    'SSP05 Hyperdrive',  
    'AG-2G Laser Cannon',  
    'AG-2G Laser Cannon',  
    'Sensor Proof Smuggler Compartment',  
  
    'Satellite Antenna',  
    'Aurodium-Plated Gold Dice'  
]  
  
print(falcon_parts)  
  
poorly_cloned_falcon = falcon_parts + ["Wookiee"]  
print(falcon_parts)
```



Some of the methods or operations return some of or the whole list. Some do not even modify the original list.