```python
l = ['raja','prasanth','sandeep','naveen']
for i in range(len(l)):
  ##########to modify string##############
  s = ''
  for ch in l[i]:
    if ch in 'aeiou':
      s = s + ch.upper()
    else:
      s = s + ch
  ########################################
  ###########to modfy list item###########
  l[i] = s
  ########################################
else:
  print(l)
```

```
['rAjA', 'prAsAnth', 'sAndEEp', 'nAvEEn']
```

list.append( )

```python
l = [1,2,3,4,5]
l.append(6)
print(l)
```

```
[1, 2, 3, 4, 5, 6]
```

```python
l = [1,2,3,4,5]
l.append(12.89)
print(l)
```

```
[1, 2, 3, 4, 5, 12.89]
```

```python
l = [1,2,3,4,5]
l.append(True)
print(l)
```

```
[1, 2, 3, 4, 5, True]
```

```python
l = [1,2,3,4,5]
l.append('python')
print(l)
```

```
[1, 2, 3, 4, 5, 'python']
```

```python
l = [1,2,3,4,5]
l.append([6,7,8,9,10])
print(l)
```

```
[1, 2, 3, 4, 5, [6, 7, 8, 9, 10]]
```

list.extend( )

```python
l = [1,2,3,4,5]
l.extend(6,7,8,9,10)
print(l)
```

```
-------------------------------------------------------------------
TypeError                                 Traceback (most recent call last)
<ipython-input-7-186267436311> in <module>
      1 l = [1,2,3,4,5]
```

```python
l = [1,2,3,4,5]
l.extend([6,7,8,9,10])
print(l)
```

```
    [1, 2, 3, 4, 5, 6, 7, 8, 9, 10]
```

```python
l = [1,2,3,4,5]
l.extend('python')
print(l)
```

```
    [1, 2, 3, 4, 5, 'p', 'y', 't', 'h', 'o', 'n']
```

```python
l = [1,2,3,4,5]
l.extend(['python','django','javascript'])
print(l)
```

```
    [1, 2, 3, 4, 5, 'python', 'django', 'javascript']
```

▾ list.insert( )

```python
l = [1,2,3,4,5]
l.insert(3,100)
print(l)
```

```
    [1, 2, 3, 100, 4, 5]
```

```python
l = [1,2,3,4,5]
l.insert(0,500)
print(l)
```

```
    [500, 1, 2, 3, 4, 5]
```

```python
l = [1,2,3,4,5]
l.insert(-1,1000)
print(l)
```

```
    [1, 2, 3, 4, 1000, 5]
```

```python
l = [1,2,3,4,5]
l.insert(len(l),1000)
print(l)
```

```
    [1, 2, 3, 4, 5, 1000]
```

▾ list.remove( )

```python
l = [1,2,3,4,5]
l.remove(3)
print(l)
```

```
    [1, 2, 4, 5]
```

```python
l = [1,2,1,2,1,2,1,2]
l.remove(1)
print(l)
```

```
    [2, 1, 2, 1, 2, 1, 2]
```

```
l = [1,2,3,4,5]
l.remove(100)
print(l)
```

```
    -------------------------------------------------------------------------
    ValueError                                Traceback (most recent call last)
    <ipython-input-17-3582c2ea8bb1> in <module>
          1 l = [1,2,3,4,5]
    ----> 2 l.remove(100)
          3 print(l)

    ValueError: list.remove(x): x not in list
```

SEARCH STACK OVERFLOW

list.pop( )

```
l = [1,2,3,4,5]
print(l.pop(0))
print(l)
```

```
    1
    [2, 3, 4, 5]
```

```
l = [1,2,3,4,5]
print(l.pop(-3))
print(l)
```

```
    3
    [1, 2, 4, 5]
```

```
l = [1,2,3,4,5]
print(l.pop())
print(l)
```

```
    5
    [1, 2, 3, 4]
```

list.clear( )

```
l = [1,2,3,4,5]
l.clear()
print(l)
```

```
    []
```

del

```
l = [1,2,3,4,5]
del l[-1]
print(l)
```

```
    [1, 2, 3, 4]
```

```
l = [1,2,3,4,5]
del l[::]
print(l)
```

```
    []
```

```
l = [1,2,3,4,5]
del l[:3]
print(l)
```

```
        [4, 5]
```

▾ list.count( )

```
l = [1,2,3,1,2,4,2,3,5,6,7,7,5,4,3,1,1,1,4]
print(l.count(1))
```
```
        5
```

```
l = [1,2,3,1,2,4,2,3,5,6,7,7,5,4,3,1,1,1,4]
print(l.count(5))
```
```
        2
```

```
l = [1,2,3,1,2,4,2,3,5,6,7,7,5,4,3,1,1,1,4]
print(l.count(100))
```
```
        0
```

▾ list.reverse( )

```
l = [1,2,3,4,5]
l.reverse()
print(l)
```
```
        [5, 4, 3, 2, 1]
```

▾ list.sort( )

```
l = [7,0,3,2,5,6,1]
l.sort()
print(l)
```
```
        [0, 1, 2, 3, 5, 6, 7]
```

```
l = [7,0,3,2,5,6,1]
l.sort()
l.reverse()
print(l)
```
```
        [7, 6, 5, 3, 2, 1, 0]
```

```
l = [7,0,3,2,5,6,1]
l.sort(reverse=True)
print(l)
```
```
        [7, 6, 5, 3, 2, 1, 0]
```

```
l = [8,3,1,2,1]
for i in l:
  l.remove(i)
else:
  print(l)
```
```
        [3, 2]
```

✓ 0s   completed at 1:35 PM   ● ✕