

```
s='balu'
print(s[0:0])
print(s[0:1])
```

```
b
```

```
a = ["raju","sai"]
for i in range(len(a)):
    b=""
    for j in a[i]:
        if j not in "aeiouAEIOU":
            b=b+j
        else:
            b=b+j.upper()
    a[i]=b
print(a)
```

```
['rAjU', 'sAI']
```

```
a = ["raju","sai"]
for i in range(len(a)):
    b=""
    for j in a[i]:
        if j not in "aeiouAEIOU":
            b=b+j
        else:
            b=b+j.upper()
    a[i]=b
print(a)
```

```
['rAjU', 'sAI']
```

```
a = ["raju","sai"]
for i in a:
    s=''
    for j in i:
        if j in 'AaEeIiOoUu':
            s=s+j
print(b)
```

```
sAI
```

```
c=[2,2,3,4,5,6,3,4,2,7,6,8]
a=[]
for i in range(len(c)):
    d=[]
    if c[i] not in a:
        a.append(c[i])
        for j in range(len(c)):
            if c[i]==c[j]:
                d.append(j)
    if len(d)>1:
        print(f"{c[i]} occurs at the positions{d}")
```

```
2 occurs at the positions[0, 1, 8]
3 occurs at the positions[2, 6]
4 occurs at the positions[3, 7]
6 occurs at the positions[5, 10]
```

```
a=[[1,2,3],[4,5,6],[7,8,9]]
b=[]
for i in a:
    for k in i:
        for j in range(2,k):
            if k%j==0:
                break
            else:
                b.append(k)
```

```
print(f"prime numbers in matrix :{b}")
```

```
☐ prime numbers in matrix :[1, 2, 3, 5, 7]
```

```
a=[[1,2],[2,4]]
for i in range(len(a)):
```

```
print(a[i])
```

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

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✓ 0s completed at 5:17 PM

