

22/07/2025 , For loop Practice

1. print all vowels from list of single chars ?

```
list = ["sriram","sairam","divakar","ravi","Raju"]
new = [] for i in list:    for j in i:        if j in
"aeiouAEIOU":
    new += j print(new)
```

o/p:-- ['i', 'a', 'a', 'i', 'a', 'i', 'a', 'a', 'a', 'i', 'a', 'u']

2. print all strs which are len > 5 and push to new list ?

```
list = ["sriram","sairam","divakar","ravi","Raju"]
new = [] for i in list:    if len(i) > 5:
    new.append(i) print(new)
```

o/p:-- ['sriram', 'sairam', 'divakar']

3. print all odd indices values in list ?

```
list = ["sriram","sairam","divakar","ravi","Raju",66,88,33.5,True,False]
new = [] for i in range(1,len(list),2):
    new.append(list[i]) print(new) o/p:-
```

-- ['sairam', 'ravi', 66, 33.5, False]

4. print all odd indices values and find only str and that too len >3 and len<5 ? list
=

```
["sriram","sairam","divakar","ravi","Raju",66,88,33.5,True,False,"raviteja","raviraj
u"] new = [] for i in range(1,len(list),2):
```

```
    new.append(list[i])
# print(new) for j in
new:
    # print(j)
    if type(j) == str:    if
len(j) > 3 and len(j) < 5:
        print(j) o/p:---
ravi
```

5. print all even indices values from list and push to new list .? list

```
=
["sriram","sairam","divakar","ravi","Raju",66,88,33.5,True,False,"raviteja","raviraj
u"] new = [] for i in range(0,len(list),2):
    new.append(list[i]) print(new) o/p:--- ['sriram',
'divakar', 'Raju', 88, True, 'raviteja']
```