

1.print all vowels from list of single characters

```
List=['u','d','a','y','a']
```

```
for char in List:
```

```
    if char in "aeiouAEIOU":
```

```
        print(char,end="")
```

output:

u a a

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

```
NamesList=["udaya sri","rachana","banu","bhavya","anu"]
```

```
List=[]
```

```
for i in NamesList:
```

```
    if len(i)>5:
```

```
        List+=i
```

```
        print(i)
```

output:

udaya sri

rachana

bhavya

3.print all odd indices values in list

```
List="udayasri"
```

```
for i in range(1,len(List)):
```

```
    if i%2==1:
```

```
        print(List[i],end=" ")
```

output:

d y s i

4. Print all odd indices values and find only string and that too len>3 and len<5

```
List=["udayasri",88,37,"Ramesh","valli padma","banu","phani"]
```

```
for i in List:
```

```
    if type(i)==str:
```

```
        if len(i)>3 and len(i)<=5:
```

```
            print(i)
```

output:

banu

phani

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

```
List=input("enter the names:")
```

```
new_List=[]
```

```
for i in range(2,len(List)):
```

```
    if i%2==0:
```

```
        print (List[i])
```

```
        new_List+=List[i]
```

```
print(new_List)
```

output:

enter the names: udaya sri, bhavya sri

a

a

s

i

b

a

y

r

['a', 'a', 's', 'l', 'b', 'a', 'y', ' ', 'r']