

**1.print all vowels from list of single chars.**

```
list=["a","e","i","r","u","l","k","m","d","s"]
```

```
vowels="AEIOUaeiou"
```

```
for char in list:
```

```
    if char in vowels:
```

```
        print("sigle char vowels:",char )
```

**output:**

```
sigle char vowels: a
```

```
sigle char vowels: e
```

```
sigle char vowels: i
```

```
sigle char vowels: u
```

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

```
names=["prasanna","priya","pallavi","paripurna"]
```

```
list=[]
```

```
for a in names:
```

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

```
        print(a)
```

```
        list.append(a)
```

```
print("new list",list)
```

**output:**

```
prasanna
```

```
pallavi
```

```
paripurna
```

```
new list ['prasanna', 'pallavi', 'paripurna']
```

**3.print all odd indices values in list.**

```
abc=[1,2,3,5,7,8,10,20]
```

```
for i in abc:
```

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

```
        print(i)
```

**output:**

1

3

5

7

**4.print all odd indices values and find only str and that too len>3 and len>5.**

```
list_odd=["vamsi","devi","kavi","barathi"]
```

```
str=[]
```

```
for a in list_odd:
```

```
    if len(a)>3 and len(a)<5:
```

```
        print(a)
```

```
        str.append(a)
```

```
print(str)
```

**output:**

devi

kavi

['devi', 'kavi']

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

```
a_b_c=[11,22,44,33,55,77,88]
```

```
list=[]
```

```
for i in a_b_c:
```

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

```
        print(i)
```

```
        list.append(i)
```

```
print(list)
```

**output:**

22

44

88

[22, 44, 88]