

1)print all vowels from list of single chars

```
name=["p","a","s","k","e"]
```

```
for i in name:
```

```
    if i in "aeiouAEIOU":
```

```
        print(i)
```

OUTPUT:

```
a
```

```
e
```

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

```
abc=["prasanna","sai","kavya","ram"]
```

```
list=[]
```

```
for i in abc:
```

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

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

```
print(list)
```

```
print all odd indices values in list
```

OUTPUT:

```
['prasanna']
```

3)print all odd indices values in list

```
list=["sai","gopika","kumar","divya",44,True,8.56]
```

```
for i in range(0,len(list)):
```

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

```
        print(list[i])
```

OUTPUT:

```
gopika
```

divya

True

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

```
items=["sai","rani","radha",True,67,False,55.7,900]
```

```
for i in range(0,len(items)):
```

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

```
        print(i)
```

```
for i in items:
```

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

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

```
            print(i)
```

OUTPUT:

1

3

5

7

Rani

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

```
abc=[2,45,67,45,34,67,87]
```

```
list=[]
```

```
for i in range(0,len(abc)):
```

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

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

```
print(list)
```

OUTPUT:

[0, 2, 4, 6]