1. Print of all vowels from a list of single chars.

```
chars = ['a', 'e', 't', 'o', 'u', 'e', 'k', 'v', 'i']
vowels="AEIOUaeiou"
for char in chars:
    if char in vowels:
        print("single char vowels:",char)
```

OUTPUT:
```
single char vowels: a
single char vowels: e
single char vowels: o
single char vowels: u
single char vowels: e
single char vowels: i
```

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

```
strings=["devi","pallavi","paripurna","likhitha"]

list=[]

for i in strings:

    if len(i)>5:

        print(i)

        list.append(i)

print(list)
```

OUTPUT:

pallavi

paripurna

likhitha

['pallavi', 'paripurna', 'likhitha']

3.print all odd indices values in list.

list=[2,3,4,5,6,7,8,9]

for i in list:

   if i%2==1:

    print("odd indices values:",i)

OUTPUT:

odd indices values: 3

odd indices values: 5

odd indices values: 7

odd indices values: 9

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

list=[2,3,4,5,6,7,8,9]

str=["devi","paripurna","saraswathi"]

for i in list:

   if i%2==1:

    print("odd indices values:",i)

for i in str:

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

   print(i)

OUTPUT:

odd indices values: 3

odd indices values: 5

odd indices values: 7

odd indices values: 9

devi

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

list=[2,3,4,5,6,7,8,9]

even_numbers=[]

for i in list:

   if i%2==0:

     print("even indices values:",i)

     even_numbers.append(i)

print("Even numbers list:", even_numbers)

OUTPUT:

even indices values: 2

even indices values: 4

even indices values: 6

even indices values: 8

Even numbers list: [2, 4, 6, 8]