1.print all vowels from list of single chars

```
char=['a','r','p','e','k','o','l']
vowels="aeiouAEIOU"
for i in char:
    if i in vowels:
        print(i,end=" ")
```

output:

a e o

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

```
names=["nikhitha","abhignya","srujana","varsha","hyd"]
new_list=[]
for i in names:
    if len(i)>5:
        new_list.append(i)
print(new_list)
```

output:

['nikhitha', 'abhignya', 'srujana', 'varsha']

3. print all odd indices values in list

```
num=[11,23,52,41,26,37,32]
for i in range(1,len(num),2):
    print(num[i],end=" ")
```

output:

23 41 37

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

```
list = ["apple","ship",22 ,"blue",True, "cherry", "grapes", "kiwi",False, "mango", "papaya"]
for i in list[1:len(list):2]:
    if type(i) == str:
        if len(i)>3 and len(i)<5:
            print(i)
```

output:

ship blue kiwi

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

```
list = ["apple", "blueberry", "cherry", "grapes", "kiwi", "mango", "papaya"]
newlist=[]
for i in list[2:len(list):2]:
   newlist.append(i)
print(newlist)
```

output

['cherry', 'kiwi', 'papaya']