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## sequence exercises

```
In [ ]: d = eval(input("Enter a list of integers : "))
print(d)

p = []
n = []
o = []
e = []
z = []

for i in d:
    if i == 0:
        z.append(i)
    if i % 2 == 0:
        e.append(i)
    if i % 2 != 0:
        o.append(i)
    if i > 0:
        p.append(i)
    if i < 0:
        n.append(i)

print("no of odd : ", len(o))

print("no of even : ", len(e))
print("no of positive : ", len(p))
print("no of negative : ", len(n))
print("no of zeroes : ", len(o))
```

```
[1, 2, 3, 4, 0, 0, 0, -1, 4]
no of odd : 3
no of even : 6
no of positive : 5
no of negative : 1
no of zeroes : 3
```

```
In [ ]: d = eval(input("Enter a list of integers : "))
print(d)

if d == d[::-1]:
    print("The list is same as its reverse")
else:
    print("the list is not the same as its reverse")
```

```
[1, 2, 3, 4]
the list is not the same as its reverse
```

```
In [ ]: s = input("Enter a string: ")
print(s)
n = int(input("Enter a value for n : "))

l = s.split()
print()
for i in l:
    if len(i) % n == 0:
        print(i)
```

shifa is so frustrated with python classes right now

is  
so  
frustrated  
with  
python

```
In [ ]: d = eval(input("Enter a list 1 : "))  
print(d)
```

```
j = eval(input("Enter a list 2 : "))  
print(j)
```

```
g = []
```

```
for i in d:  
    if i in j:  
        g.append(i)
```

```
print(g)
```

```
[1, 2, 5, 33]
```

```
[1, 2, 77, 9, 4]
```

```
[1, 2]
```

```
In [ ]: s = input("Enter a string : ")
```

```
k = s.split()
```

```
d = input("Enter a word : ")
```

```
l = ""
```

```
p = []
```

```
for i in k:  
    p.append(d)  
    p.append(i)
```

```
for i in p:  
    l += i + " "  
print(l)
```

yes joel yes is yes good yes at yes python