

Ques 1 : Write a Python program to print even numbers in a list.

```
In [1]: list1= [12, 3, 55, 6, 144]  #input List
print("List1 = ",list1)
out1=[]
for i in list1:
    if i%2==0:  #to check whether the element is even or not, if yes append that element in output's List
        n=i
        out1.append(n)
print("Output = ",out1)

#Similarly for List 2:

list2= [2, 10, 9, 37]  #input List
print("List2 = ",list2)
out2=[]
for i in list2:
    if i%2==0:  #to check whether the element is even or not, if yes append that element in output's List
        n=i
        out2.append(n)
print("Output = ",out2)

List1 = [12, 3, 55, 6, 144]
Output = [12, 6, 144]
List2 = [2, 10, 9, 37]
Output = [2, 10]
```

Ques 2 : Write a program to print the following pattern

```
1
22
333
4444
55555
```

```
In [2]: for i in range(1, 6):  
        print(" " * (n - i), str(i) * i)
```

```
1  
22  
333  
4444  
55555
```