

Lets Upgrade

## Assignment No. 2

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### Questions:

#### Question 1

Write a Python program to print even numbers in a list.

Sample:

Input: list1 = [12, 3, 55, 6, 144]

Output: [12, 6, 144]

Input: list2 = [2, 10, 9, 37]

Output: [2, 10]

#### Question 2

Write a program to print the following pattern

```
1
22
333
4444
55555
```

### Solutions:

#### Sol.1

CODE:

```
x=input("Enter Values of list: ").split()
l=[]
a=[]
for i in x:
    l.append(int(i))

for i in l:
    if i%2==0:
        a.append(i)
    else:
        continue
print(a)
```

#### OUTPUT:

```
k4lk1@k4lk1:~/Documents/Lets Upgrade Assignments$ python3 Assignment_2.py
Enter Values of list: 12 4 1 2 1 2 4 3 2 1 3
[12, 4, 2, 2, 4, 2]
```

#### Sol.2

CODE:

```
n=int(input("Enter the size for pattern: "))
for i in range(1,n+1):
    print(" "*(n-i),str(i)*i)
```

OUTPUT:

```
k4lk1@k4lk1:~/Documents/Lets Upgrade Assignments$ python3 Assignment_2.py
Enter the size for pattern: 5
  1
 22
333
4444
55555
```