Assignment 2

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]

Ans:

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

list2 = [2, 10, 9, 37]

even_no = [num for num in list1 if num % 2 == 0]

even_no1 = [num for num in list2 if num % 2 == 0]

print("Even numbers in the list: ", even_no)
print("Even numbers in the list: ", even_no1)

output:
Even numbers in the list: [12, 6, 144]

Even numbers in the list: [2, 10]

2. Write a program to print the following pattern

1

22

333

4444

55555

Ans:

```python
#take_n=5
def printPattern(n):
    for i in range(n+1):

        for j in range(1,i+1):
            print(i,end="")
        print("")
```

output:

1

22

333

4444

55555