Problem 1:

Write a program which accepts a sequence of comma-separated numbers from console and generate a list.

```
str1=input("Enter comma-seperated numbers: ")
l=[]
for i in str1:
    if i!=',':
        l.append(str(i))

print(l)
```

```
Enter comma-seperated numbers: 3,4,5
['3', '4', '5']
```

Problem 2:

Create the below pattern using nested for loop in Python.

```
for i in range(5):
    for i in range(6):
        print(i*"*")
    reverse=4
    for i in range(5):
        print((reverse)*"*")
        reverse-=1
    break
```

```
*
**
***
****
*****
****
***
**
*
```

Problem 3:

Write a Python program to reverse a word after accepting the input from the user.

```
str1=input("Enter a word to reverse: ")
reversestr=""
for i in str1:
    reversestr=i+reversestr
print("Reverse of the entered string is: " +reversestr)
```

```
Enter a word to reverse: Acadgild
Reverse of the entered string is: dligdacA
```

Problem 4:

Write a Python Program to print the given string in the format specified in the sample

```
str1="WE, THE PEOPLE OF INDIA, \n\thaving solemnly resolved to constitute India into a SOVEREIGN,!\n\t\t SOCIALIST, SECU

print(str1)
```

```
WE, THE PEOPLE OF INDIA,
        having solemnly resolved to constitute India into a SOVEREIGN,!
                SOCIALIST, SECULAR, DEMOCRATIC REPUBLIC
                    and to secure to all its citizens
```