

1. Program to accept a sequence of comma separated numbers from user and generate a list

```
In [*]: # Program to accept a sequence of comma separated numbers from user and generate a list
values = input("Input comma seprated numbers: ") # Accept values seprated by ','
list = values.split(",") # split input string delimited by ',' and store in the list
print('List : ',list) # print the list
```

Input comma seprated numbers:

```
In [1]: # Program to accept a sequence of comma separated numbers from user and generate a list
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list = values.split(",") # split input string delimited by ',' and store in the list
print('List : ',list) # print the list
```

Input comma seprated numbers: 1,2,3,4,5,6,7,8,9,10
List : ['1', '2', '3', '4', '5', '6', '7', '8', '9', '10']

2. Create Pattern.

```
In [9]: # Program to print star pattern
# Max 5 '*' in a line
rows = 5
# Forward print till rows = 5
for i in range(0, rows):
    for j in range(0, i + 1):
        print("*", end=' ')
    print("\r")
# Backward print after reversing 'rows'
for i in range(rows, 0, -1):
    for j in range(0, i - 1):
        print("*", end=' ')
    print("\r")
```

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

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

```
In [*]: # Python program to reverse a word after accepting the input from user.  
# Accept input string from the user  
word = input("Input a word to reverse: ")  
# 2 Semi colons ':' tell where to begin and end. Function begin at the beginning and ends at the end  
# and then iterate through the string backwards  
print (word[::-1])
```

Input a word to reverse:

In []:

```
In [3]: # Python program to reverse a word after accepting the input from user.  
# Accept input string from the user  
word = input("Input a word to reverse: ")  
# 2 Semi colons ':' tell where to begin and end. Function begin at the beginning and ends at the end  
# and then iterate through the string backwards  
print (word[::-1])
```

Input a word to reverse: AcadGild
dliGdacA

In []: