

### Recursion-1

Lecture-27

Raghav Garg



# What and Why?





#### Function calls





### Function calling itself





## Ques: Make a function which calculates the factorial of n using recursion.





#### Ques : Print n to 1





#### Ques: Print 1 to n (extra parameter)





#### Ques: Print I to n (after recursive call)





### Ques: Print sum from 1 to n (Parameterised)





#### Ques: Print sum from 1 to n (Return type)





## Ques: Make a function which calculates 'a' raised to the power 'b' using recursion.



## Calculating Time and Space complexity





### Next Lecture Understanding multiple calls in

Recursion More problems on Recursion



### THANKYOU