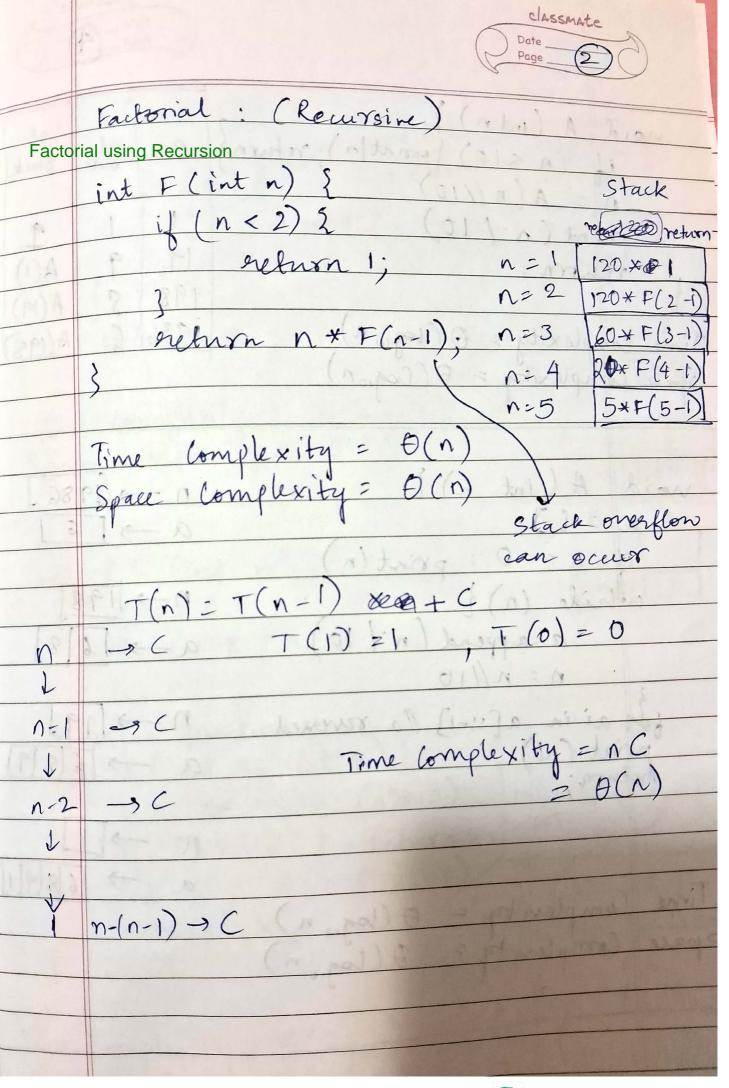
	ika Shashidhara 02245068			Date Page	DO	
	PSA (	lass -	5	(n 100)9	Anna Maria	
X	861:	ra l	(a) tang	0 3 5 6	1:	
6	Recursio	n		3(n) di		
Need fo	r recursion		(01)	a) thing		
	Base Condition: knows how to Solve					
	the problem					
	Other bondition. Invokes other					
	conditions à base condition					
and a M	i·e	Break	cing don	m the probl	em	
EX2	Factoria	1: (	Iteration	2)		
Facto	rial using iteration	n		> here it work		
ondi •	int F(	int n	) 200	Python, b	nuted space	
138	int			So we need	to have	
0) 1 8	for (	int i	=2; is	in; i++){	spore to	
2	Large - yal	s * =	i	0	carge n	
	}	(A	(Pal) (Pa	Connecte xi by	Mr. P	
	return s;					
	}			*		
14/21	T(n) = T(n/n) + C					
	n	S	LI =	Time long	lexity= E(n)	
	5	1	1	Space long	slexity = O(1)	
	5	2	2	-0 j	0311	
	5	6	3 01	- No	10000	
	5	24	4 1 -	19 01/2	1 1 4	
	5	120	5			



Print digits of a number in reverse order iteration
noid P(int n) 3 n=1986 6
if n==0: print (n) n=198 8
ashile (n) 2 n = 19 9
print (n./-10) n=1
Bree Constion: Orlln=11
Time (market)
Time complexity = 0 (logion)  Space Complexity = 0 (1)
the state of the s
Print digits of a number in reverse order recursion
word R(int n)
if (n < 10) 3 print(n); neturn(1)
print (n./10)
7 Leturn ( n 1/10)
Time complexity = O(logion)  Space complexity = O(logion)
tomplexity = O ( logio n)
T(n) = T(n)
t(09) = 1
NO 1
N/10 Tok
$\frac{n/100}{1} \qquad n = 10k$
n/lok hogion = k
6 00 5

