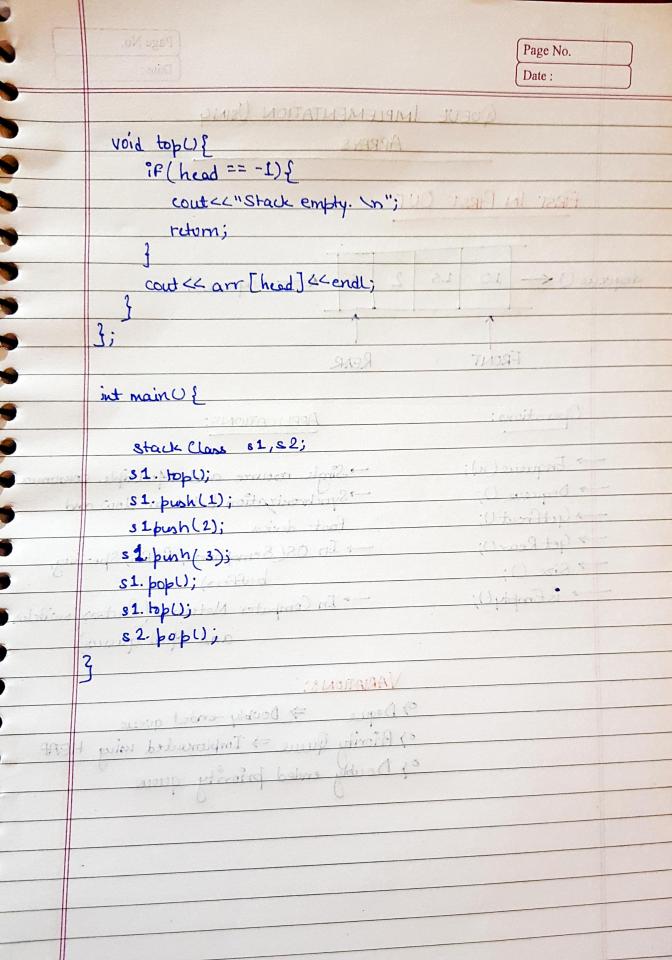
	Page No. Date:
	STACKS IN MORAL STANDARD MAKES
	(AND IN AND IN A
	- STACK is a lenear data structure
	- Works on LACT IN FIRST OUT &
	and the same of th
	20
	10
	UNDERFLOW: When we popl) from an empty stack:
D 4-	OVERFLOW: When we push () to an already filled stock
	APPLICATIONS OF STACK
	Function Calls (Stack)
	Checking for balanced parenthesis
	Reversing items
	Infix to Prefix Postfix
(8)	Evaluation of Postfix prefix
1	Stock span problems > UNDO REDO Or FORINARD BALKWARD
les	- UNDO REDU OF FORMAND JOHNNON

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Date :	
STACK IMPLEMENTATION	-
USING ARRAYS	(
USING ARRAYS	(
#include <bits stdc++.h=""></bits>	
a con stall work	1
# JUCUS MX 5 (/ An array of	
and district the give of array and	April and April 2016
class stackClass? copying the elements after OVERFLOW is	-
expensive.	
int arr= new int [5]; Use of LINKED LIST>>>	
int valing and major the more than	
int head =-1;	
THE RELA	
1.10.	
public:	
void push (int val) {	
if (head == \$\tan Mx-1) {	
contec" Stack Overglow! \n";	
return;	
- 3	
head = += 1;	
arr Chead J= val;	
3	
Void bop U E	
if (head == -1){	
cout << " stack Underglow! 'n";	
return;	
1	
head -= 1;	



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		Date:			
	Usiny				
	3000000				
		basel (14)			
FIRST IN FIRST OUT					
	impla				
		7			
deque	ue V < 10 15 2 5	enqueue ()			
	FRONT REAR				
	FRONT KEAR	30 Nicm til			
	Applic	ATIONS:			
	Operations: APPLICATIONS:				
	Simple reso	unce and Multiple commoners			
	- C J	ation between slow and			
	fast devis	a Garmana &			
	In OS(8	emophores, FCFS, Spooling,			
		buffers)			
	→ is Empty(); In Comp	iter Networks (Routers / switch			
	18 Ciripi y = /	and Mall queus)			
	VARIATIONS:				
	o) Deque ⇒ Doubly-ended queue o) Priority Queue ⇒ Implemented using HEAP o) Doubly ended priority queue				