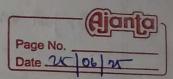
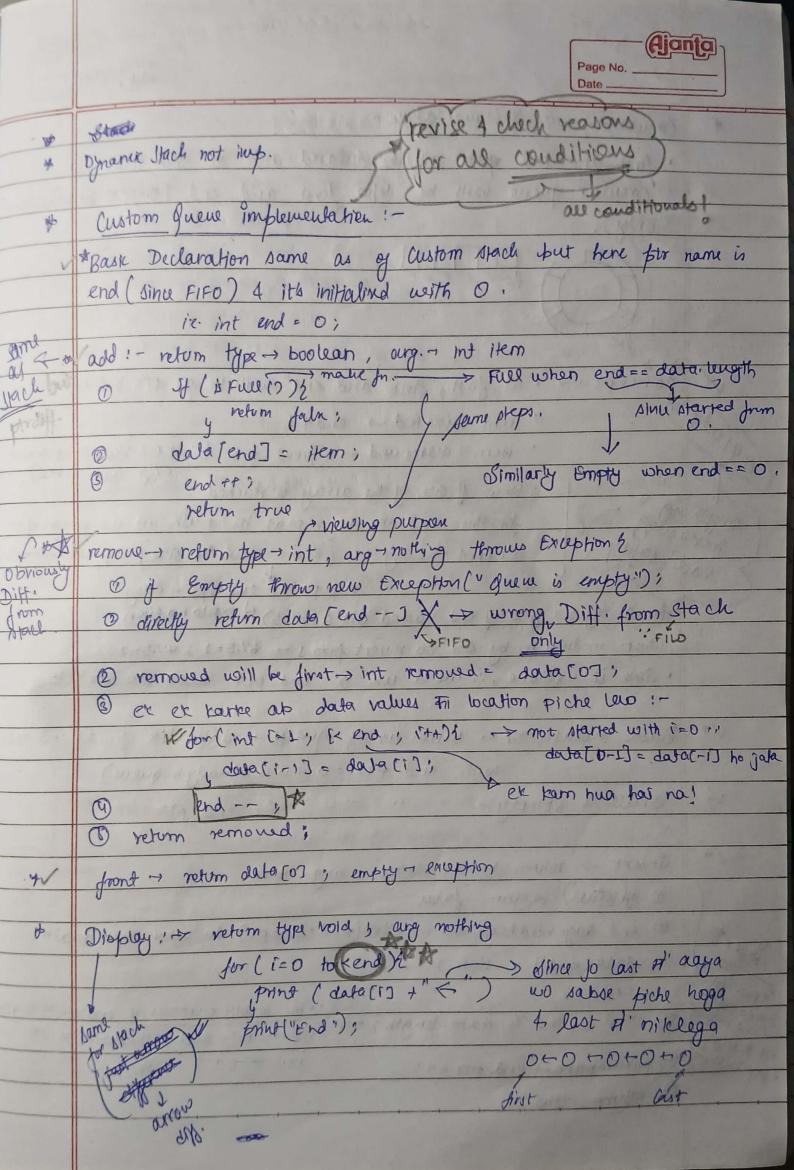
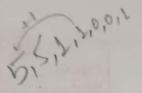
L.L. Gues. after implementation styps.

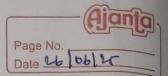


	Itachs and Gueus
	Implementation real quick
	- Interface
VH	Stacks - FILO , queue -> FIFO
14	Stack (Integer > stack : new stack <>1);
	Claus Pop
Vd	gueus < Integer> queue = new Linked 4st <> (); -> ren 6093
	ladd fremous toppen speels poll & since interpoles are not instantate
1	Deque < Integer > deque = new Array Deque < >1);
	add addast pad First fremoveFirst fremovelast (0(1) 4
	ANY CARRY OF THE CONTRACT OF T
*	Custom Stack Proplementation:
	of mid line
COTY	* Basic dudaration:
F	welles two difference LL, Node here we just custom stack,
water	0 127 1218 8
austr (2)	int[] data; - data of stacks are stored in array
	- private that final int DEFAULT_DIZE = 101
	Ly state -> no need to initialik in other class in.
	final - Atxed values has convention variable name in capital
	non-parameterized courts (public Contomotach () {
	for it are not mentioned
- 11	then we against size of 10
Agran	court 2 if size is mentioned -> public customstach (int size)
dints	if will used for data length this data = new int [size];
	Write less to avoid men } int per = -1;
	int ptr = -1;
	Don't clar the class bracket as it is public claus -> contains all
	band on Aile
	U V

Try lan just write Exception except stack exception Page No. add (push) -> return type a boolean, arginitiem O & (ofull) ? make this for. print (" Stack is full"); y netom dalk; ptr++; - Hem anya hai to we use point care to badhast jo Hem daya hai uns data H' dadlo data [ptr] = item; neturn true; -> just showing yes you can do It add 4 its is full for. - return type = boolean, no arg. - " made just for check. VA " ptr started from -1) () Dab fits last of hoga tab. directly - return pto 22 down length -1; is Empty -> ditto same be pro at 000 -1; since you se initialize hua tha. first element Index /ptr is O. Just to let you know which one popped (not imp.) top - return type - int, ang - nothing, throws state exception ? we without his (void) too! if (is Empty()) & & throw new seach Enception (" cannot for from empty stack"); ptocess int removedilen = data[ptr] on directly (0) ptr --; -> main thing (3)\$ Hom data[pto--]; return removed Hem; show then decrement beek - check top element - return type Int, ang - nothing, throws startificapting of (NEwpty1)E y throw new stackeruption ("Can't pech from empty"); return data (pto); 1 four here only. In pour throws stack Exception







Circular Juene Implementation: -· first and end per will be declared and all the items in circular queue weill be 6/10 first and end (they'll be considered fie & & & & e concept -> . at first, "first" and "end" will be at oth index. item inverted - end+1 " item oranoued - front + L (: items blue front + and only considered) · Now if size of the array is reached anything intection for the end the to repeat its path we we remainder concept - easy -> [end = end % size] -> if data length 1. add sayety Vi popular concept + easy for array 152 of 5 if end reached AIII 6 ive (25) d'explanation then module it by like to revert from 1 > 67.5=1; 77.5=2.... · Since it is a queue, .. we'll un a end-pto also to track. Bousic declaration - same ous of queue + initialize from t end aso with end-ptr =0 (this is already in queul) is full 4 is Empty - " " for end-pto insert - return dyra = boolean, arg = item o iffictual) return false . Olas met sman ot (toponas bast) mitrixni no apealbad ages one of data [end] = Item; المرام المرام end + +; 3) end = end % data. length) -> then safety purposes if end > data length then only used otherwise no use Chara way مواله لمعطامة Tie. 39,5 = 3 only 9 parampara - end-ptr++; 1 return true;

