	Page No. Date
TO NOTE	Lecture 2
11:050	probable of the second of the
Container	set: Stores only or unique elements win sosted manner
	Declare: set Lint > st;
function.	st. insert(2); 1/0(logn) time
	X No vandom access st[6] X
	access by iterators = ** *st. bogin()
perchases,	TOTAL CHARLES TO THE STATE OF T
	sterace (st-begins) 11 0(logn)
	Herator to delete
100	logn) sterase (st begin (), st begin +2); [)
responded.	deletes first 2 elements.
	others you detailed. (2 11914 1199) (11910) (10)
a compale	st. erase (5)31/10(20gn)
	and except the following the first of the fi
Carrani	Declare: - set <int> st = \$1,5,7,83; = set <int> st 1(st begins), st end());</int></int>
1000	- ser and 7 ST I (ST Begin), St-ena));
funding:	- auto it = st. find (7); // ollogn)
Timetica	
	It to doesn't exist et in strict = strend();
1207	Also these years a graphing his below of
function.	st-emplace (67; llemplace faster than insent.
function:	St. size(); 11 gives size of set. moth gom
function!	st. erase (st-begins), st.end()) (detete all elements.
The same	The property of the State of th
	Freshar in maga accide Wilder I is a section of
Container	
010) No guaranteed ordering of elements
	2) Average time complexity is (010)
Andrea Colored	3) worst case time complexity is o (set sixe) (o(n))
	Worst case depends on hashes generated.

	Iquin Turapi	Ralapi—	
		Date	
	Thumb Rule:	The property to	
Security And	go for unordered-set ()	lements in ascending	-switch
	TO 0000 Set ()	992) 83CH OF FOR CA	The stand
(a. alaysanı	Carollo I (Carollo II)	Latinates also	1
Condainer			
	Shows all elements in Surted	manner.	S. Paragetanti
function	ms. equie(2) // exase all ins	Homos of 2 in mult	icat a hard
Function	auto it = my And (2); I res		
	I can mester any mest	rance of 2.	11011
	strandig ting delas	Library against	- Annis
	Ollogn) operations	etter from le	
C. b. cari		Walle and the second	10
Function!	ms. erase (ms. find (2)).		
	ms-erase (ms. find (2), ms. fi		
function,	- ms. count (2); 11 NO. of instan	vec 84 2	0 2
×	X D. X	-××	
	End (HD) Nolloth James	te = tiotus	V- + KENDAN
Conday news			
	() Only unique Kers; 01	logn) operations	
Brank I	() Only unique Kerks; 01	in en destat	maline
- fres	Dedage: map (string int)	mppsigner to	10012
0	mpp ["John"] = 100;	C. L. Stered & O. C. D. C. D.	The grade of
tinction	mpp. 'emplace ('Tiger', 40);		1 Harry W.
Con Koo I		all to the other places	16 20
Function !-	mpp. erase ("John");	7:44	6
1	mpp. erase (mpp. begin ()		coetings ?
n	mpp, clear ();	mpalacoin()+2).	(1)
" (6	mpp. erase Compp. begin(), auto it = mpp. find (4 John!	7	E Wille
	mpp-empty () -> tenec ip m		

	Page No.	
Marie S.	Date Date	
function:	impp. count ("raj") // One in case, map if "raj" key exists,	
119.68	xero otherwise	
To January	THE OF ALL ADMINISTRATION OF A STREET	
Paier:	paren xint, int> per;	
TOTAL 180	Pr.first = 1;	
	Per second = 203 # it - pomber to the pain	
In secolow	(tit) - first (tit) - first	
T AL REAL	Painting map.	
The Park	for (auto it impp) for (auto it = mpp begins);	
	it!=mpp.end();it++)	
Peix.	cont « it . first «" " < ?	
No long	it-second « endl; contait > first « " " (
	3. Horas sciont it -> second << "\n";	
	the sound of the s	
MARIE ST	matible Stand a Him Clying Cogot so excell condition	
Container	!- unordered-map (int, int > mpg)	
	// Random order; Oli) in almost all cases	
NO WELL	110 m in the worst case.	
ALER PAR	Variable end the second	
Co HO CON	pair xint, int> pr = 21,23;	
PAIR)		
	pare < parentint int > int > pe = {21,23,333	
28814	1 pa. first, first = 1 pu first second = 2	
CA CIA	Pr. second=3	
enculations.	unordered-set < pain < intint >> X Not Allowed.	
l'an l	moodered-map < opain (Int), int > X Not allowed.	
900	mapas map < pain (Int ; int > int > V Allowed	
	set < pain(int, int>> V Allowed.	
South 152 4	Neetor < paracintint>7/ Allowed	
	BOTH CONTRACTOR AND STATE OF THE STATE OF TH	
Conteiner	:- multimap < staling int >mpp; # strokes duplicate keys also.	
() (A)	# strokes duplicate Keys also.	
	the Conted fachion	

No Herator concept in Stack - Queue @ Data strutures Stack (Int > st; Last In First Out D.S. 11 pop, top, size, empty, push and emplace 11010 No clear function No clear () function Delete: To deleter entire stock > cohile (1 stempty()) // Lineartine 3. St. POP()3. ++ ACCO La gona to Masses The service stack (Int > sty) 1 18 11 18 + 644 Hi > 1 193 193 "cout << st. top(); or st. pop() on empty stack => # Usually runtime errors in online judges Always use top() & pop() with a check condition Imp: of (1st-empty)) Act of the same states cont exist. topl); or stoppl); Market Carretting Se = 31, 22 6 policy Se Queue Arst In Arst Out D. S. Data queue vints que to the strong being structures I push, emplace, front, pop, sizo, empty. (011) operations + represented and tolean tolerande 2 2 to dean whole queue 2. Pop()) operations) time Q. front() 2. POP();

		Paga No.		
	No iterator concept	Data		
Date	Priority-queue (Most impostar	d). Il Use concept of Heap Sort		
Strutur	-> 5 tores all elements in sported porder.			
Miller Al	-> O(logn) operation,	The Sala Serie		
The same	11 push, size , top, pop, empty	Wash deas 1		
	The state of the s	AND RUNGS OF WARRANTS		
	properity-queue xint > pq s -> 1	MAXIMUM PRIORITY DUSTILE -		
	pg. push(6) 6. 4 top	and bound was all a second		
	" " (2) 4	a +-o()		
	" . " (2) 2	Peration .		
	". " (47	le Historia de la		
(miss	control of the with something	Branch Commercial A		
L->	To store element like mininum pe			
	while insenting.	going quelle negate element		
	pg. push(-6) -1 (-> to	e in		
Assi ave	11 (121) (1440)	hile fetding do negation		
	11 (-4) -6	t collist and and		
7		it << (-1)* pq.top()@;		
Date		1 A C C C C C C C C C C C C C C C C C C		
Structuri	Minimum priority Queue:	12 tid 8 - 12 7 Means Ulta		
	20:20:4			
	princip-queue <int th="" vector<="" ver=""><th>scints, greater cint >> pq;</th></int>	scints, greater cint >> pq;		
	00 2 2 CC 1 (top()	DE COLSTONIES DIVINI		
		lought 6 cinxxlotainel		
La Ota	pa. push (1) top open	witions (DUIDATED - MARIEMAN)		
1 3 3 4 10 10 1				
1 22		howeld house of		
4	C and the Market Control of			
4	too him prostity queue of planer	s- replace int with pain.		
Je resent	- priority-queue & parerxint, int >	vector kpain lint >>,		
DI SPAN	greater Corpara.	<pre></pre>		
and!	Cashardtoporide Optiduose			
Y	The top because of	aris Abakada		
Maria San Jan		2 To 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1		

