	T.	
	lutorial-3	DATE / /
	BANSI MARAKANA U20	03005
1.	Construct predictive pausing table for	following
	grammar And verify (give moves of the	Daysey)
	grammar And verify (give moves of the for the String "id+id*id"	par sort
	E - TE'	
	E' -> +TE'18	
	T->FT'	
30	T'->*FT'18	
D 83	F -> (E) lid	
<b>\rightarrow</b>	First (E) = First (TE') = First (FT'E') = First (E)T'E	1) 15 16 16 1
	First(E)={(,id3	) + tiast (idT'E')
	First (E') = 3+, E}	1- 1-1
	First(T) = First(FT')= {(,id}	State
	Fixst(T') = (*, E)	
	First (F) = {(,id}	18
	( ) ( ) ( ) ( )	P
	Follow (E) = \$ ) }	2.2
	Follow (E') = Follow(E) = {4, )3	p3
	Follow(T) = First(E')= \$+, Follow(E)3 = \$+,\$,)3	7
	Follow (T') = Follow (T), Follow (T') = \$+18,13	A Part of the Part
	For you (F) = First(T'), Follow(T) = \$+, *, \$, )}	
	7, x, s, ) g	41
	6 First All Follow	A.C.
	TOWN BUILDING COURSE	Day Alda
	-1	
	t (id +, 5)	1000
9000	T' + C + 1 )	White

	114	D, )
E'	+, &	0 \$ 0 00
Ptop	Gid	+,\$)
T'	*, &	+,4,)
F	(,id	+,*,\$,)

110			4 /:		-1 +-				
							dAsAs-21		
	3 ←'				→(E)		81-A		
	→FT'						24-8		
							JANAK-26		
	+	*	1	)	id	\$			
E	4		1		1	1	54-8		
E'	2			3		3	12-(2) 32-6		
T			4		4	3	[A1]20] a	,	
T'	.5	5.		6		6	(a) tagis		
F			7		8				
						543	(210101)-3		
Star	ck	-	t/p		0/0	. 153	Falloso (A)		
\$E			tid*id:				(8) (2) 5		
\$E'T			+id*id			T			
\$E'T	t'F		+id*id	•	F-id AD				
SE'TT	r'id	id	+id*id	\$	10	3	A		
SE'T	,	+	id* id \$		10-1-	2	a		
\$E'		+	id*id\$	3) SA.	E'->	+TE'	install		
\$E'T.	+	+	d*id\$	4) B-		1	2) 5 Elo E.		
\$E'T	San Maria	i	d*id\$		AT-	ET'			
\$E'T'	F	i	d*id\$		Foid	d	1 0		
SE'T'	id	i	d*id\$			8	EA		
SF'P'	Ø.	,	* id\$.		7'→	&*FT	1 8		
\$E'T'1	F*	100	* id\$.	(2)11	23.	mage	This entry		
\$E'T'	F		id\$		F-	oid	V		
\$E'T'	id		id\$.	Pare 1					
\$E'T'			4	N. Mary	T'-	3+			
\$E'			\$		E'-				
5			\$.						
1 :4-	h: *h: +	is o	ccenter	1 11000	1. 01		4.0		

2,	Check the grammar is	=11/1\ m mat'	137 6 7 7
	a) 5 -> Aa Ab 1 B b Ba	LLCI) US MOE.	election in the
	A-18		
			32-19 (8
$\rightarrow$	a) 5->AaAb BbBa	F-D	
	A-E		
	B→E	1 4	-
			1 3
	First(s)=10,64		10 2
	Fo First(A)= E	- CARA	
	First (B)=E	5	3 1
	Edlars Cha	4	3
	Follow(s) = 543		
	Follow (A) = 80, 64	air	Stacis
	Follow (B) = \$9, 63	きいれいもい	d.F.
	First Follow		T'34
797. 77.	S 0,6 \$	きらいきかけらら	37137
19 19 1	aib	中かきり+10	61'T0'75
	B & a,b	I A LOTA BIT	17194
	1 4 : 5: 5	BA-E	100
	2) 5 → BbBa 4)	B→e	+175
	a b \$	*bi*bi	T ga
	5 1 2	26:46:	9'+'9h
	A 3 3	abial:	15: 'T'52
	B 4 4	Abi*	1977
	This grammar is 111:	1) grammar	*7790
	and bied	U ahi	3'7'30
		1 461	b: 'T'36
	· 3r/4	<b>5</b>	17178
	35,3		1 2 2
			74

ounted under

61 461+69

							DATE / /	
	6)5+1E	tss'						
	5' -> es	318		, 1				
	E → b			1				
		First	Follow	1		3.		
	5	Ĉ	15,e	15				
	5'	e, &	\$,e.	(à			05-6(3)	
	E	Ь	E				124-16	
	1)5-> [E]	55'	3)5'-	78		1	01	
	2) 5'→e	5	4) E.	16			1 2	
	0	t	e	6	\$.		2 1 1	
	5 1		4				1-1-1-1	
	5'		2,3		3			
	E.	1 3000	100	4.	1001		Stock	
	This gro	mmar	is not	LLCO	gram	mar	as multipl	2
					[]		(J) ±.	
				Alla	alc		J)\$L	
3.	given +	the gram	mar	\$110.5	0,0		\$(t's	
	Some Che	#k 5+0	1(4)	\$100	all		(# (L'a	
		1-1	j\$15.	200	ما		'dCL'	
	(i) Is the				1(1) grammar as multiple parse table.  1(1)? Justify your answer sany to make it suitable for by 11(1) predictive parser on 1515.  table for 11(1) parses, remove			
	(ii) What	changes	are nec	essar	1 to r	nake	it sintable	for
	LLCU par	user?		\$100	3)		(1)(L)	wasion
			es made	by	LLCU	prede	ctive pareser	on
	input (	a.(a,a)).		100	0		5,11,19	
->	5 -> a(L)			2000			it (L'a	
		5 12,4		31115.			ותוניוני	
				not	LLCI)	us le	It sucuresia	n
	is oursen	at in su	de L > 1	1515			Sullila .	
	(ii) To an	aki asam	mar Su	itabl	e for	ILCI)	parser, su	move
		usion,		211	0		ולנוינני	
	s→a			211			1010	
			t Follow  \$, c  \$, c  \$, c  \$  4) E -> b  \$  2, 3					
	-		9-1	-				

					PRIGENO
					DATE
6:	est	Trul			182191431
	,(	Foll			513366
La		\$,9	,,		1
	٤	1	100		1223
1)5-10		1.	L'->.	C11	1
2)5→(1)			L'-98		9.9 12
3) 1->51'					0 3
a	(	15.	12/8	\$.	2010183
5 1	2	No.	,		3000
L 3	3.			5 1	
L'		5	4		-
	8		1	0	
Stack	Inpi	1 ×		Output	
\$5.		(4))\$	fam	5-(L)	100000000000000000000000000000000000000
\$(L)		(a))\$	Ivi	Imazina	ied Sirotm
\$(1		1,0)\$		L→SL'	- CANADAN
\$(1'5		4,918.		5+a	
\$(1'a		1,0)\$	1		114-50
\$(1'	, (a,	a))\$		L'→,SL'	
\$ (15,	, ca	(91)\$	SBOVI	anon. Yun	V.S. 1034 37/2
\$(1'5	(a	(9)\$	Sinh !	S->(L)	
\$(1'(1)	(0	(9))\$	4 :	0	The second secon
\$ (1'(1		(a))\$	bond	L-SL'	N 2 (12)
\$(L'(L'S		(9)\$		5+0	
\$(L'(L'a		,9))\$			1010-28-6
\$(12(12		(a))\$.		L'→, SL'	PIB.14-1
The state of the s		91)\$	in	anaman :	was wrin
\$ (L'(L'S		a))\$	4-1	s+a	thorne is
\$(L'(L'a (1)))		1))\$	2 10	asamma	DAPON OF (31)
\$(L'(L'		))\$		1'>€	21 137714 3137
\$(1)		1)\$		- (	SHOUL
\$(1)		)\$	115.	11-12	Les!
15		\$.	1 111		

4 Co1	Consider a grammar a as follows:											
5	→ W	0										
W.	W-> ZXY XY											
y	Y-1E								31			
Z	z >a   d								olab	38		
	$X \rightarrow Xb1E$											
D	Draw the LL(1) parsing table for the given gro											
-> s-	>w	Carine	13 100	60		000	0.00					
W.	→ ZXY	LXY	Obs	010	bo 8			U		12-1	1	
Y-	+ 019	e		3	1000				0	10 -		
Z.	+alo	L							913	184	3	
X-	x → x618.				Porto		3-8	File				
		First			Follow			d. A		9		
	S			\$			3,0.0			A		
	W	a, b, c	, d, E	d, E \$			3,3,0   0:			8		
	X	b, 8	,			\$						
	Y	C, E	C, E		\$		3010			0		
	Z	a, d			b.c.\$.							
			about A			05-46				0		
1)	5+4	) a	6)z-a			033 L A 8(c)						
2)0	$\nu \rightarrow 21$	кY		7) z → d 8) x→xb			3) (JBC) (8)					
3) (	$\nu \to \chi$	Υ.										
4)	Y-C			0	1) X -> 8							
5).	4-18	9	1		0	d			13			
		a	b	c	1	d		\$	-			
5		1	1	1	2	10		1	0	+		
w		2	3	3	4	2		3	8	8		
X			8,9	9	8	8		9	3			
Y		Ŧ		4	0	F	1	5	F.			
Z	15	6113	Mullip		naising	7.		100	300	uln	3	
	0		N. Control		0					0		

5. Consi	Consider the following grammar Cx									
			VVIVX							
$A \rightarrow C$					91					
C ->			The same	0-1						
	cd Dlacd D					X / Y				
$D \rightarrow$	The state of the s		1 1	. / . 0 .						
Jon L	In LL(1) pause table of above grammar or,									
now	how many cells have multiple entries? 5→ Ae B→cdDacdD									
$\rightarrow S \rightarrow A$		aP	YXIY	5 5-10						
$A \rightarrow C$										
$C \rightarrow C$		.	C	7	5	18 - 1				
5	Fixs		Follow	-						
	a,b,	ESC.	\$	-	6.5.0.0					
В	a, b,		e							
C	a,c		a,b,c							
D	a, c,		-	1,						
	C, 1		a,b,c,e							
95-	10	(·) f	2 -1 < d D							
2)8 A -			$3 \rightarrow cdD$		S 91	-2/5				
3) C -			) - C	VXZ Z Z Z Z Z						
8) C-			D-18		1 X & 5. (8					
0/ 0	. 6		11/10	The State		C 1. (3)				
	10					- YO				
5	1	1	1	d						
A	2	2	2		100	,				
		2	4 8			2				
В	35	- Co.	3 8	-	2					
C	3	8		PR		V-				
0	5 F	7	6,7	***	7.					
Only	one cell	is na	wing w	ultiple	entry	-				