DenId	<u>DenName</u>	<u>PatNo</u>	<u>PatName</u>	AppNo	<u>AppDate</u>	<u>NurNo</u>	<u>NurName</u>	<u>Procedure</u>	Cost
D1	Smith	P1	Jones	A1	1/02/09	N1	Green	Filling	300
D1	Smith	P1	Jones	A2	1/03/09	N1	Green	Filling	300
D1	Smith	P2	Patel	A3	3/01/09	N2	Sarah	Canal	1000
D2	Barky	P3	Thom	A4	6/03/09	N3	Brown	Crown	700
D3	Thomas	P4	Ronnie	A5	8/06/09	N4	Cann	Filling	300
D4	Sam	P5	Emily	A6	9/07/09	N1	Green	Canal	1000
D2	Barky	P6	Sana	A7	8/07/09	N2	Sarah	Canal	1000

```
D1, Smith, P1, Jones, A1, 1/02/09, N1, Green, Filling, 300
       2 D1, Smith, P1, Jones, A2, 1/03/09, N1, Green, Filling, 300
       3 D1, Smith, P2, Patel, A3, 3/01/09, N2, Sarah, Canal, 1000
      line = fin, getline ();
      words = tokenize (line, )
       reased = new Appointment ();
                                                This is a book
       Recad , doctD = words[0];
       record. docName: words[i].
       record portio = words[2];
       second cost = tolnfeger (words[9]);
       all Appointments, add (second)
   Write a C++ Program that
  Reads - the file & displays - the
                                         appointments
2. Display ith Record
                                                                  temp. txt
3. Find a Display second by doctor name
4. Sort the data according to given column
  Show names of doctors who earn more than 1000
  Show how many appointments for less than
                                                            1. create temp file
  Add a new record a save to file
8. Delete a read & save to file
```

9. Change the value of cost in whole file

3. soy dalá afra sur

data tet

4. delute dato txt 5. renome temp. txt to

```
Delimited Recods

Use a marker or delimiter to specific the dolar of deferent fields of the seconds.

Space tob; $

1 D1, Smith, P1, Jones, A1, 1/02/09, N1, Green, Filling, 300
2 D1, Smith, P1, Jones, A2, 1/03/09, N1, Green, Filling, 300
3 D1, Smith, P2, Patel, A3, 3/01/09, N2, Sarah, Canal, 1000

4 What happers when delimiter is part of delay.

Tixed Length Records: Size of every filling 300
4 D1 Smith P1 Jones A1 1/02/09 N1 Green Filling 300
2 D1 Smith P1 Jones A2 1/03/09 N1 Green Filling 300
3 D1 Smith P1 Jones A2 1/03/09 N1 Green Filling 300
4
```

C++ > Seekg()
tellp()/seekp()

	17056		ofth File						Munklener	Drocod	Cast	NaeNo
		DenId D1	<u>DenName</u> Smith	PatNo P1	<u>PatName</u>	AppNo A1	AppDate 1/02/09	NurNo N1	<u>NurName</u>		Cost	JAN NO
		D1	Smith	P1	Jones Jones	A1 A2	1/02/09	N1	Green	Filling	300	
		D1	Smith	P2	Patel	A2 A3	3/01/09	N1 N2	Green Sarah	Filling Canal	1000	
		D2	Barky	P2	Thom	A3	6/03/09	N3	Brown	Crown	700	1
		D3	Thomas	P4	Ronnie	A4 A5	8/06/09	N4	Cann	Filling	300	+
		D3	Sam	P5	Emily	A6	9/07/09	N1	Green	Canal	1000	+
		D2	Barky	P6	Sana	A7	8/07/09	N2	Sarah	Canal	1000	
		DZ	Darky		Jana	<u> </u>	0/0//0/	112	Surun	Cariai	1000	
1.	Code	· 15 (D. Jepen dent	More		at Phone)re	P da	lā			
								•	ns of	dalā		
გ,	Shaving	of	Data									
4	Dolā	Seensil	ű									
5.	Data Duplication											
6,	Data	Incons	sistanaj									
7,	Boolup	R (Recollery	P.	roce dure	ა -						
	Hondling	Cc	mmeetion	/ set	ationship	<u> </u>	s dala					
9.	Hendling	A	Almoc 6	Dogie	ა							
	, 44)		,								
[0	Enforcin	y s	tandards									

	ith value of the tuple can be any valid value for
	the 1th variable
	A 8 C
	A= { a, b, c} 1,= < a, 3, <>
	B= { 1, 2, 3} T1- < e, 2, β>
	C = { x , B , O} [s = < a , B , \(\righta \righta \)
	Peopletame DOB Gende
	Name: ¿Ali, Fatino, Ayyaz, Ayesha, Salcent Ali /10/20 M
	DOB = {1/10/20, 2/5/20, 3/10/20, 3/11/198 Fatima 2/5/20 F
	Gendle: {M, FZ Ali 2/10/20 M
	Ayyaz 1/10/20 M
	T ₁ = < Ali, 1/10/20, M > Ayudin 3/11/19 F
	Tz = (Fatima, 2/5/20, F)
	Ty = < Ali, 2/1/20, M>
	Tu : < Ayyaz, 1/10/20, M>
	To = Azeola, 3/11/19, F>
	People = { <ali, 1="" 10="" 20,="" m="">, < Fahina, 2/5/20, F >, <ali, 10="" 2="" 20,="" m="">,</ali,></ali,>
Toylor	1 < Ayyaz, 1/10/20, M> < Ayesha, 3/11/19, F>}
(Jely)	
	Relation State
	The stall of the data at a given time
	It can change over time

	Constraints Implicit Constraints - whole record/tuple cannot be duplicate or repeated									
1.	Implicit G	systraints ->	whole revolu	d tuple cannol	- be duplicate o	e repeated				
	Explicit Constraints (Syntax Rules) Semantie Constraints (Business Rules)									
Ŭ ₅	Sumpanice Constraints (Dusiness Notes)									
	Explicit Constraints									
	Domain Constraint: The set of values that can appear as attribute value									
	Required optional:									
	Unique									
	Default 1	Valve								
	Subnoker	ہے۔ امہ ما	Abouter 1	h and be a	Yes I have Very a wine	2 04 51 0				
An	Candidate	key: Suberkey	which co	not con the leas	used to recognize	every second				
integritain &	Candidate key: Superkeys which contain the least # of attributes Primary key: One of the candidate keys									
	Default Supreley: Set of all aftributes of the relation (by Implicit Constraid)									
		<u> </u>								
Integrity	Foreign key: Bointing to a valid value in a remote file/Ralation									
Cors'										
CURD	domain	required	unique	default	integrity constrant	referental				
Crealē_			/							
Update										
_					1	(2 cases)				
Read	X		×	×	X	X				
Dolde	X	×	×	×	×					

	·
1.	Name
ટ્રે	Roll #
3.	Course & Section
4,	Date
<u> </u>	What is special about today's data /quiz.
	, , , , , , , , , , , , , , , , , , , ,