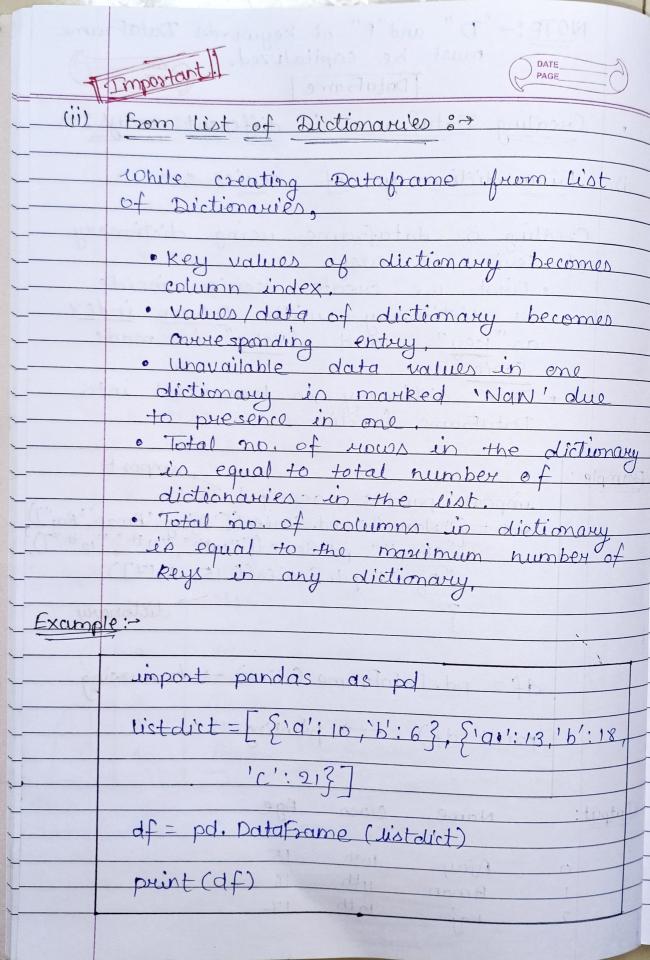
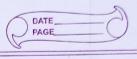


	***				9				
*	Data Frame :->								
	A Datatrane is a teur dimensional								
	(2-D) array / data- structure which								
	danta similaria								
> stores hoterogenous data i.e. can									
Store int, float, string simultaneously									
land march land									
in the form of yours and columns									
say in Tabulay form.									
duge: That 6d									
> size mutable i.e. unus / columns									
	CC	in he a	dded or	- Jeme	nied				
	115100	id.		mitan	il ittille				
> data mutable i.e. values in souls									
and column can be changed.									
					0				
Example	re T	()		50	7)				
	Throat .	Name	Class	Age	Column				
		6.1		Manla	labels/				
	, 0	Ajay	gth	15	Indices				
	2	Aman	12th	18	9				
	3	Gautam	6th	/3	7				
	4	Harrish Pawan	10th	16					
	1,011 -			17					
Row									
Index/Labels									

	N	OTE: - "D" and "F" of keywords DataFrame
		OTE: D" and F of keywords DataFrame must be capitalized. [DataFrame] DataFrame]
		reating Dataframe in different ways:
(i)	F	nom dictionary of services :->
		, agh nashill to
	~ Ca	eating a dataframe using dictionary Services is easy.
		· First, we cheate senies inside
	noco	a dictionary with column index
		a dictionary with column index as "key" and "Value" is made
	3,6	Senies not other oldslinuall .
	110	. Then dictionary is traversed into
		Databane function.
antheon		a add it remail to rose dutal a
Exampl	e:	I so reduce to to to to topost
		import mindes as pd
+ 13.53	676	dict = {"Name": pd. Sevies (['Ajay, 'Aman, 'Raj'] "Clan": pd. Sexies ["loth" "11th" "12th"]
120	0.1	Class': pd. Sexies ["10th" "11th" 12th"]
		"Age": pd. Series ([15, 16, 17])
		3 dictionary
	2	- 910 Just
•		
		df = pd. DataFrame (dict) -> traversing
911	A 1	paint (df) printing,
		110:19
Output	H:	Name class Age
		Ctollateil I consoluted by the
	0	Ajay 10th 15
	1	Aman 11th 16
	2	Raj 12th 17





	8	
Output	or dollar a mint of a few mint I minage	-X-
Supu	0 10 6 NaN	
	1 13 18 21 913 1000	(i)
ba	tought brown by Abants sty. 120	830
*	Not Included in Syllabus di autor	
	of uphier in program up bathriaged !	
15,	From Dictionary of Lists	
	· From Dictionary of Lists · From Dictionary of Numpy Arrays	
	Here to chiente on CSV File a	a
,	A loix 2 DM gaisis hathan As II	·
	raphi, pringle and aldot a stores	
	to said file as CSV (Comma delin	
1,1771		
	by an anhang trogoni sily	Exam
	"was alist to the " I was have by the cove"	
	(16) Ining	
	Albert giving paidly	
	abelia olil a coma to 11	
	Mental co gift o cogo to 11	
	wahlat on aligh a daylor + 1	