

July 2015

24

Friday

Week 30

Day 205 • 160

Date 24 • 07 • 2015

Week 2 :-

What is Data Model?

Data modeling :-

- Describe atleast 5 different types in which Big data may appear in an application program
- Identify the genre of the data you encounter in an analytics application.

Data Model

- structure → structured data
- operations → unstructured data
- constraints :-

(selection / filtering)

- ① subset :- Ex :- Given a collection of data, and a cod^n find a subset of data from the collection so that each element in the subset satisfies
- cod^n

- ② substructure extraction :- (Projection)
- Given a data collection with some structure, extract from each data item a part of the structure as specified by a cod^n .

- ③ Union :-

- ④ join :- Given two data collections, create a new one with the elements of two if collection
- Duplicate elimination

constraint :- constraints are logical statements that must hold for data.

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Saturday

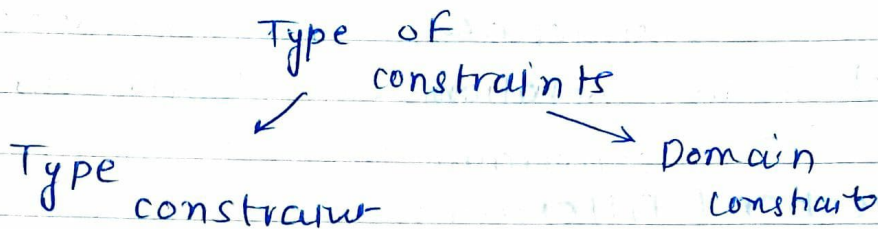
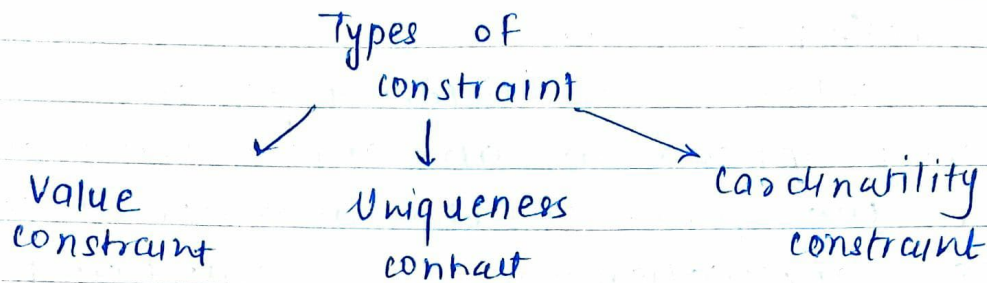
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	M	T	W	Th	F	S	S
J	6	7	8	9	10	11	12
U	13	14	15	16	17	18	19
L	20	21	22	23	24	25	26
'15	27	28	29	30	31		



Structural Constraints :- It puts restrictions on the structure of data rather than the data values themselves.

video Introduction to CSV data :- How to load CSV and then in

video Relational Data Model :- spreadsheet
collection of distinct element of same type.

→ structural component

→ schema

→ purpose of primary and foreign keys

→ join

→ A collection of Table.

→ No duplicates

→ Dissimilar Tuples disallowed

→ Relational schema.