semester 1
Subject Database Management System (MCA 102)

Student may select lab presentation topic under following title

	Topic Title
1	Database advantages over file system
2	Features of Database management system
3	Abstraction levels
4	Different users of dbms
5	Mappling cardinalitites
6	ER diagram componenets
7	Entity & attribute types, convert ER to tables
8	comparision of DML & DDL
9	Types of Attributes in ER diaram
10	Cardinalities of relationship
11	specialization converted into table
12	Generalization and specialization in ER diagram
13	Different Uniary operations & binary operations in relational algebra
14	union & set operation
15	Cartaisian product
16	different types of joins in relational algebra
17	Different functional dependencies
18	Clouser of FDS
19	1NF,2NF & 3NF
20	Anamanoliies of normalization
21	Normalization example
22	Date functions
23	Trigger in Mysql
24	Insert & create table query
25	DML & DDL langguages example in mysql
26	Different File structures
27	dense and sparse index
28	Fixed length record deletion options
29	Acid properites
30	Sequenctial file organization
31	hash file organization
32	Fixed length record deletion
33	Inbuilt string functions in mysql
34	Transaction state
35	Two phase lock protocol
36	Shadow copy
37	Automicity & consistancy with example
38	Database recovery techniques
39	sql and Nosql
40	different types of nosql structure

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