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Enbject - Database Management Ensoll - GCrV/20/05405

System

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Part - B Ans No - 1

1. DDL - DDL ix also known as Data defination Language helps you to define the data base structure or schema while data defination language used to create database schema, This allow you to store shared data and.

improve integreity of data independence

2. DML-DML is know as Data manipulation language allows you to manage the data stored in the database. DML commonds only affect one or more rows. This offers efficient human interaction

Difference between DOL and DML

- 1. DDL command used to create dotabase
- etc. are DDL commands.
- 3. it defines the column of a table

- 1. Det command wed to manipulate and populate database
  - 2. insert, update delute merge etc. are DML commands.
- 3. It adds or applote the row of table

## @ DDL Commands

careate: create statement is used to define the database stoueture schema;

syntax - create table Aman (
eid Int,

ename varehar (50));

Arry - drop commands removes table from adabase, syntax - Drop table Aman;

alter- alter command allow you to alter structure of db.

Syntax - alter table Aman adoloress varehar (20);

truncate - this will weate delete all the rows from
table and tree the space confaining the table.

Syntax - truncate table Aman;

(A) DML commands

insert - this command is used to insert data into row of table.

syntax. insert into Aman rakues (1, 'Aman', 'Junggio'), (
2, 'Garing', 'Rovious'):

2, 'Garing', 'Roupur');
update - this is used to modify rature of a to anmon column

54 htay - update Aman set address = 'Jamigir' where eid=2,
Selete - this command is used to remove one or more

rows from a fable

symax-debete from Amon where eid=1;

## Ans NO -4

Transaction - A transaction can be defined as group of task. A single task is the minimum processing unit which can't be divided further

example - suppose a book employee transfer os, sor from a's account to bis account. The very simple and small transaction involves low-levels. take

a's account (A)
open-account (A)
old-balance = a balance
new-balance = old-balance -500
a. balance = new-balance
close-account (a)

b's account

open-account(b)

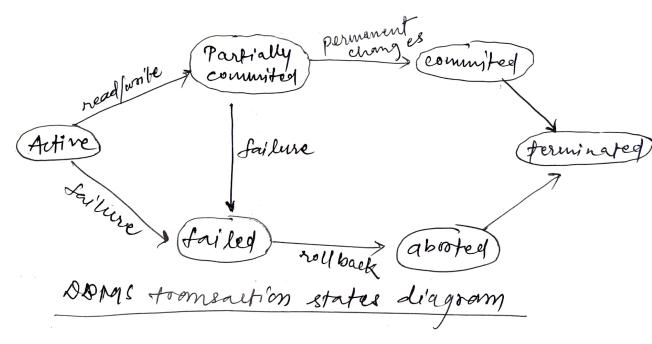
ald-bordonce = b. balance

new. balance = old-balonce

+500

b. balance = new-balance

close = a count(b)



## Ans NO -3/

BCNF - Doyce - codd normal form is based on functional dependencies that take into account all candidate key in a relation. However BCNF also has additional constrainst compared with general defination of 3NF.

A relation is in DCNF, if x is a superkey for every functional dependencies x. y is a given relation in other words we can say that a relation is in BCNF iff every determinant is canditate key. x? y here X is determinant, and y is dependent.

poesible with dependency, preserving howeves it always satisfies doseless join operation.

Example - for the relation R(A,OC,D) with functional supendencies as {A > B, A > C, C > D, C > A};

comdidate 100ys -> {A, (}
as closure of A= {A, B, (, 0)}
(= {A, B, (, 0)}

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## PART-A

Answers - 1. (b) Like operator

- 2. (6) select asername, peus word from wers;
- 3. (3) a view is a nirtual table which result of executing a pre-complied guery. A view is not part of the physical database schema, while regular tables are

4(5) 9

- 5. (d) feature has two 0's in it any, position.
- 6.(9) select city, temperature, condition from weather where condition not in ('summy', 'cloudy');