Assignment #1

Concurrent access:

Concurrent access in a database refers to the situation where the database is being accessed from more than one connection (user) at a time.

Data administration:

Data administration means identifying data and needs of enterprises with respect to data; deciding what data should be stored, establishing policies for maintaining and dealing with stored data.

Database:

that stores organized information.

Most databases contain multiple tables, which may each include several different fields.

Company database contains tables for products, employees, and financial records.

Database System: (DBMS) is an application which holds user data permanently and then provide different operations on this data e.g. retrieval of data, insertion of data, updation of data etc. Database administrator (DBA) is the information technician responsible for directing or performing all activities related to maintaining a successful database environment. A DBA makes sure an organization's database and related applications operate functionally and efficiently. Integration: Integration involves containing data from several desparate resources, which are stored using various sechnologies and provide as unified dota. => Data stored in multiple files that can be shareable.

Integrity: Integrity means correctness of data i.e data is based on defined sules and regulations. Persisent data: Persistent data refers to the information that is infrequently accessed and not likely to be modified. Redundancy: Redundancy means the same data is repeated multiple times in a data base. It makes data in consistent. Security: Security means data is accessed by authorized users only, and the authorized uses can perform only priveleged tasks. Data dictionary: catalog Dater dictionary also called catalog. i.e. data about data. It is used to manage data in DBMS.

Sharing: Sharing of dala refers to sharing same data seresources with multiple applications or users.
Shaving of data refers to
sharing same data selesources with
multiple applications or users.
Disting and D
Distributed Database:
A distributed database is
etitleation of multiple, interconnected
ace a content are applicable
that comments
Via a computer network.
DDL:
Dota levitio
a substitute language (DDL) is
Data definition language (DDL) is a subpart of SQL. It helps to create structures and has 3 commands:
commands:
1) create dable.
2) drop table.
3) alter table.
DML .
Data Manipulation Language (DML) is also a support of SQL. Ot is used to manipulate data.
to puse a support of SQL. It is used
alabase of
gollowing 3 commands:
1) insert
2) delete
3) update.

Assignment #2

Name of relation:
Pastr and Supplies.
heading of relation:
For Parts:
P#, P. Name, Color, weight, city_
For Supplies:
S# P# Oty
· Cardinality:
An Party and this
In Parts relation:
9n Supplies table:
or signes lable:
cardinality is 12.
· degree:
Parts table: 5
Supplies table: 3
ordomain of each attribute:
De to The each attribute:
Parts Table: B.
P#: S Alphanumeix characters
P. Name: Alphabetic character (any or)
The state of the s
(any pagilala
City: Alphabetic character (any Pakistani city)
Supplies Table:
S#? Alphanumeric character
P# z Alphanimeric characters
Oucuntify: Numeric value (any possible quantity)
quantity)
Supposed with Commission of

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Quiz #1:
or on all and ite keys:
Q1: possible condidate keys:
user Id and, ID
Q2: cardinality:
sowest possible degree:
4 Washington Company
a3: Restricted:
Only these values can be
entered in child table which
exist in parent table.
Cascade:
While semoung Value/secoid
from the parent table, it must
be removed from child table first.
Q4: Example of repeating group:
Several employees can have
same fust name or same last
name or same salary, which.
is an example of repeating
group.
The Control of the Co

Quiz #2	
	The state of the state of
- Cardinality of A = 12, degree of A = 1	4
-cardinality of B=10, degree of B= - cardinality of A union B = 20.	4
- cardinality of Aurion B = 20.	
- cardinality of Aintersection B:	in the second
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January D:	ALL MANUFACTURES AND ADDRESS A
degree of A intersect B:	na anaderna
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