Swartik Grhosh

2) Data Integraty:

Data integraity recters to the integraity completeness of data represent of data represent of data represent of data represent of data integraity is to protect validity of data and information in the database. It ensures the data quality in the database.

- Dute medundancy;

 If the same date item.

 Is Stared more than once in a

 data bones, called data redundancy
- Allowing different data bone users to use a secitic part
- Supero key!

 The set of Attributes

 that con uniquely identity a

 tupu is know supero key,
 - ex > STUD-NO (1)

 **) Detabase language,

 1s on special type of programming.

 language used to detine and in

 manipulate a database.

6) Physical Scheman

Logè cal schen,

on) H define how data is presented in DBMS and how date is stored in date bare

a) H define all logical contar applied how to stone data

b) It is a difficult structure b) His conity under stad in computer system 7) Data Manipulation Language on DML is a subset of operations used to inserot, delete and update in data database.

Example of DML statement?

Inserot - Record is inseroted in the table with the help of this instruction

Delete - This instruction delets the table record.

8) MetaData is a type of data that describes any other data.

Difference between DBL and DML It deals with data It enables us is stoned in the to manepulate data that is databare and aids in defining kept in the atthe structure databare 1, or schema ota including neticul Data bone uplate and delet.

9) Types of Entity:

1) Strong Entity type

2) Weak Entity type.

Strong Entity type:

A strong entity is one that is not realisate on other entity in the schema A preimarry key is always present in a strong entity.

When various strong entities are united, they toron a strong entity set.

Strong Entity

Weak entity:

There is no key Attroibute in weak entity. It is distinct identity is ne want on the presence of another strong entity



Type of Altributes?

- 1) Simple Addroibute 4 Composite Addribute!
 - Simple Attroibutes are the oner with atomic Values. Which connot be devided further, While Composite attroibuter Consist of more than one simple attroibute.
- Single valued and Multi-Valued Attribute:

 This divide is downed on the attribute ability to take multiple values. A Multi valued attribute is one the can accept mome than one value . A single valued attribute is one that one that accepts only one value.

3) Stoned Attribute and Desnived Attribute:

This classification is bread on Wheather the attribute is simply the attribute is simply the character or it it.

The database or it it.

May be derived from onothers attribute.

1) key orthribute and Non key Attribute.

This clamification is bound on when their attribute may be used to uniquely identify the entiter. As the name implies, key attributes will be able to uniquely identify. but non key attributes will be unable to do so.

- 0 - 1

10) An insertion Anomaly is the inability to add data to the database due to the database due to the absence of other data.

*) A typle is one

of the most used components of dontabase Managment system. A type in a doctor bone managment system is essentially a now with linked data about a ceretain entity.

```
SELECT ROOM. Room No, HOTEL. Name

FROM HOTEL, POOM

WHERE HOTEL. Hotel No = ROOM. Hotel No

AND ROOM. Charay (1000)
```

SELECT GUEST. Name, BOOKING. ROOMNO

FROM QUEST, BOOKING, HOTE!

WHERE HOTEL. Hotel NO = BOOKING. HOTE!NO

AND GUEST. GUESTNO = BOOKING. HOTE!N.

AND GUEST. QUESTNO = BOOKING. HotelMo

AND HOTEL. NAME = 'Seaview'

AND Date DETWEEN BOOKING. Datetran

And BOOKING. Pa-le TO;

SEIECT HotelNo, COUNT(x) AS ROOMCOUNT FROM 1200 M. GROUPBY Hotel No.