=======================Orcale Udamy ================================

1. **Introduction**

System development life cycle

1. Strategy and analysis
2. Design
3. Build and document
4. Transition
5. Production
6. **What is table?**

It is the basic storage of an RDBMS

Region\_id region\_name

1. varanasi
2. Faizabad
3. Kanpur
4. Lucknow
5. **Data models & ERM**

Conceptual tools to describe data

In database we have ERM(entity relation model)

ERM consist of three thing

1. Entity
2. Attributes
3. Relationship

**Entity:-**

An entity can be a real-world object, that can be easily identifiable

Students , teachers , classes and courses (Table are the entity in database)

**Attributes:-**

Things that describe the Entity(Students name, age,DOB, etc)(colums are the attributes in database)

**Relationship:-**

The association among the entity is called relationship

Student enrolls in a course(FK creates the relationship in oracle)

EMPLOYEE 3 --------------------------- 1 DEPARTMENT

‘#’ number ‘#’ number

* Name \* name

O job title o location

1. **About primary key and foreign key**
   * + - Each row of the data in a table can be uniquely identified by a primary key
       - You can logically relate data from multiple tables using foreign keys
       - Con not use duplicate values in primary key
       - In general we can’t be change the primary key because if we change it we loss lot of data
       - Foreign key is logical not physical make relation b/t tables and columns
       - Foreign key must match a value from the primary key from other table
2. **SQL and Type of SQL Statements**