Assignment-4

1. What is primary key?

Ans:  it is a column which uniquely identifies each record of the table.

The table is physically sorted based on the primary key.

The column, which is set as PK, cannot take any NULL values

1. What is foreign key?

Ans: A foreign key is a key which points to the Primary key of another table.

Thus, FK is used to maintain the integrity of the data,

If a data is available in for the foreign key, then we cannot delete the data from the primary key and we will not have invalid data

1. What is view? Explain with an example.

Ans: is a virtual table that can hold data from one or more table.

This is best used when we have a complex query is very commonly used then we can save the query in the view and then used the view for all the other queries

E.g.: with employee and salary table , we use the employee’s salary details

Thus

Create view emp\_sal as

Select emp\_name, salary

From employee

Inner join salary

Using (empid)

1. What is join? Mention the types of joins.

Ans: Joins are using to retrieve data from multiple tables based on common column.

Following are the types of joins

* Inner join – display only the common records from both table
* Full Outer join—display all the records from both left and right table
* Left join- display all records from left table and matching from the right table
* Right join– display all records from right table and matching records from the left table
* Cross join- Also known as cartesian product, no matching columns are needed, and will match each record of left table will all record of the right table

1. What is inner join? Explain with an example.

Ans: inner join is used to retrieve data from multiple tables.

It returns only the data which is available in both the tables.

There should be at least 1 column common which will be used to join the 2 tables

Eg: select col1

From table 1

Inner join table 2

Using (commoncolumn)