Human Resource Management

The project “HR management” depicts the use of distrbuted database.

The Employee table is distributed over the network and fragmented using various methodology.

This document contains all the data regarding the spawn of the database, queries of table creation, triggers used In the environment, as well a few examples on insert query.

# QUERIES:

## Table creation: Employee

CREATE TABLE `employee` (

`empname` varchar(255) NOT NULL,

`project\_location` varchar(45) NOT NULL,

`department` varchar(45) NOT NULL,

`salary` varchar(45) NOT NULL

) ENGINE=InnoDB DEFAULT CHARSET=latin1;

## Table creation: salfrag1

CREATE TABLE ` salfrag1` (

`empname` varchar(255) NOT NULL,

`project\_location` varchar(45) NOT NULL,

`department` varchar(45) NOT NULL,

`salary` varchar(45) NOT NULL

) ENGINE=InnoDB DEFAULT CHARSET=latin1;

## Table creation: salfrag2

CREATE TABLE ` salfrag2` (

`empname` varchar(255) NOT NULL,

`project\_location` varchar(45) NOT NULL,

`department` varchar(45) NOT NULL,

`salary` varchar(45) NOT NULL

) ENGINE=InnoDB DEFAULT CHARSET=latin1;

## Table creation: locfrag1

CREATE TABLE ` locfrag1` (

`empname` varchar(255) NOT NULL,

`project\_location` varchar(45) NOT NULL,

`department` varchar(45) NOT NULL,

`salary` varchar(45) NOT NULL

) ENGINE=InnoDB DEFAULT CHARSET=latin1;

## Table creation: locfrag2

CREATE TABLE ` locfrag2` (

`empname` varchar(255) NOT NULL,

`project\_location` varchar(45) NOT NULL,

`department` varchar(45) NOT NULL,

`salary` varchar(45) NOT NULL

) ENGINE=InnoDB DEFAULT CHARSET=latin1;

## Table creation: deptfrag1

CREATE TABLE ` deptfrag1` (

`empname` varchar(255) NOT NULL,

`project\_location` varchar(45) NOT NULL,

`department` varchar(45) NOT NULL,

`salary` varchar(45) NOT NULL

) ENGINE=InnoDB DEFAULT CHARSET=latin1;

## Table creation: deptfrag2

CREATE TABLE ` deptfrag2` (

`empname` varchar(255) NOT NULL,

`project\_location` varchar(45) NOT NULL,

`department` varchar(45) NOT NULL,

`salary` varchar(45) NOT NULL

) ENGINE=InnoDB DEFAULT CHARSET=latin1;

# TRIGGERS:

## Trigger creation: trigger

CREATE DEFINER=`root`@`localhost` TRIGGER `trigger` AFTER insert ON `employee`

FOR EACH ROW

BEGIN

Delete from locfrag1;

Insert into locfrag1

Select \* from employee where project\_location = 'Mumbai';

Delete from locfrag2;

Insert into locfrag2

Select \* from employee where project\_location = 'Delhi';

Delete from salfrag1;

Insert into salfrag1

Select \* from employee where salary < 100000;

Delete from salfrag2;

Insert into salfrag2

Select \* from employee where salary >= 100000;

Delete from deptfrag1;

Insert into deptfrag1

Select \* from employee where department = 'Computer Science';

Delete from deptfrag2;

Insert into deptfrag2 Select \* from employee where department = 'Production';

END

# SCREENSHOTS:













