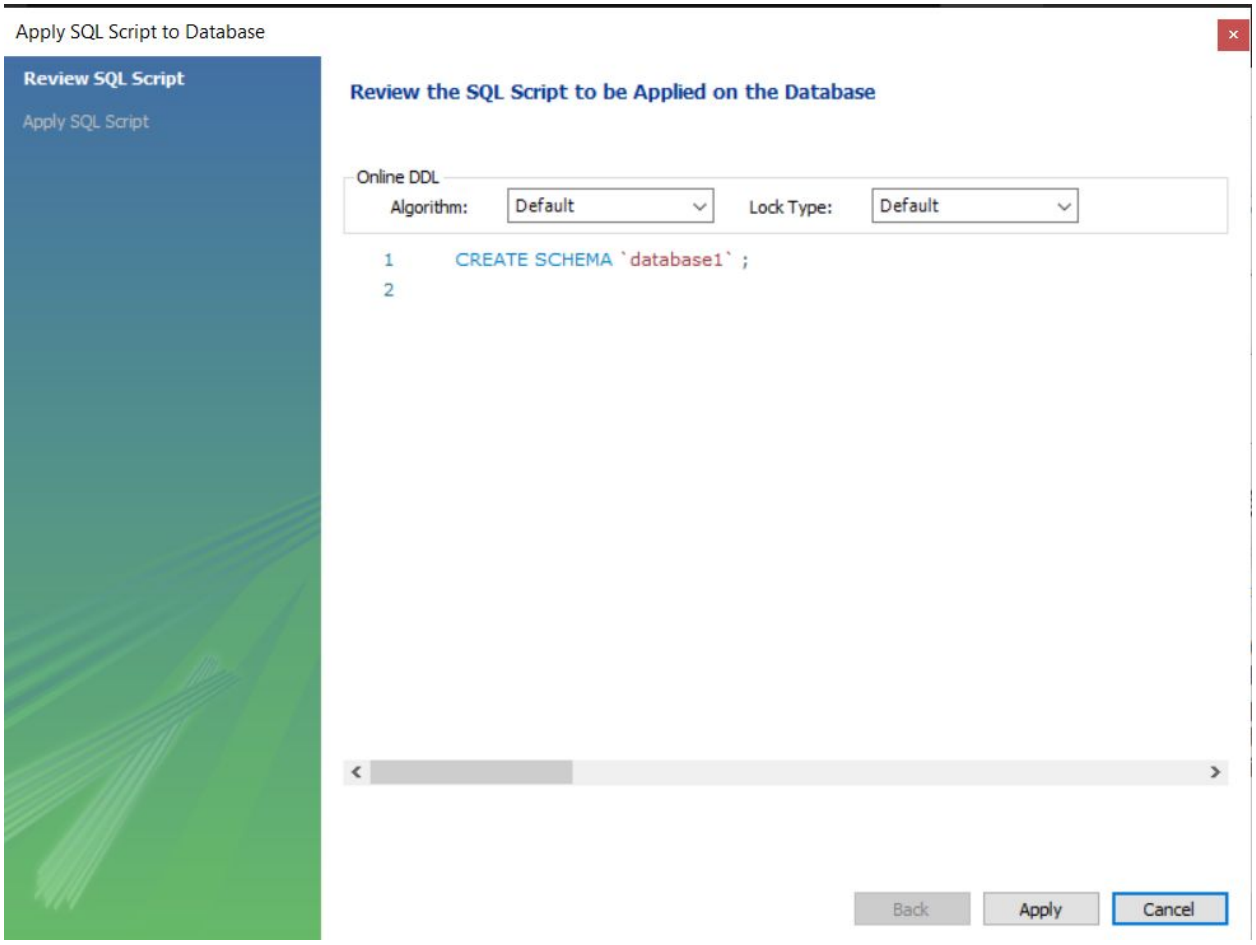
MYSQL QUERIES

Objective:
Install Mysql workbench on windows 10
Create Database and run queries on Mysql workbench.

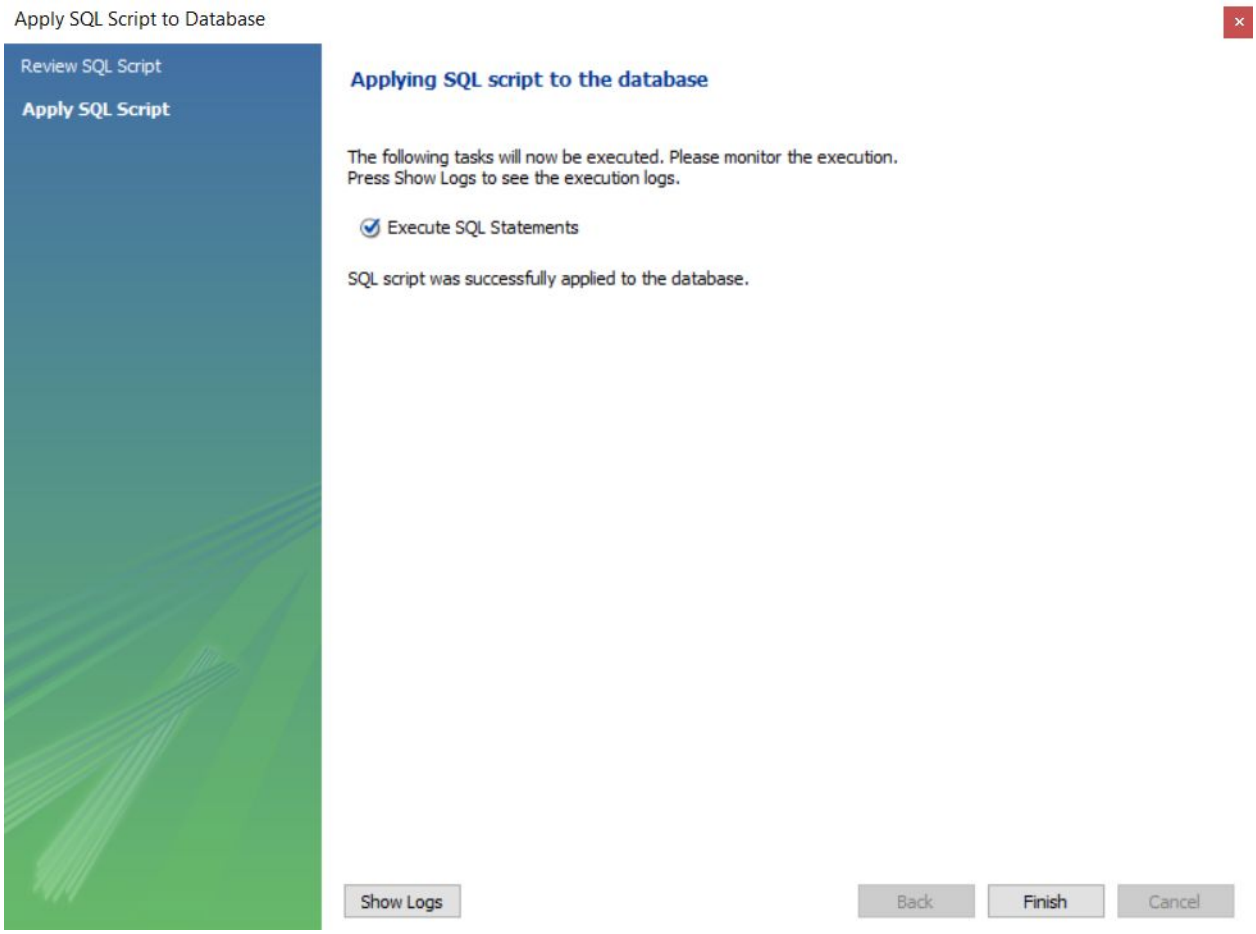
Step 1:
Download and install Mysql workbench 8.0 from mysql.com

Step 2:
From start open Mysql workbench after installation is complete and create a new database ‘database1’ and click on apply

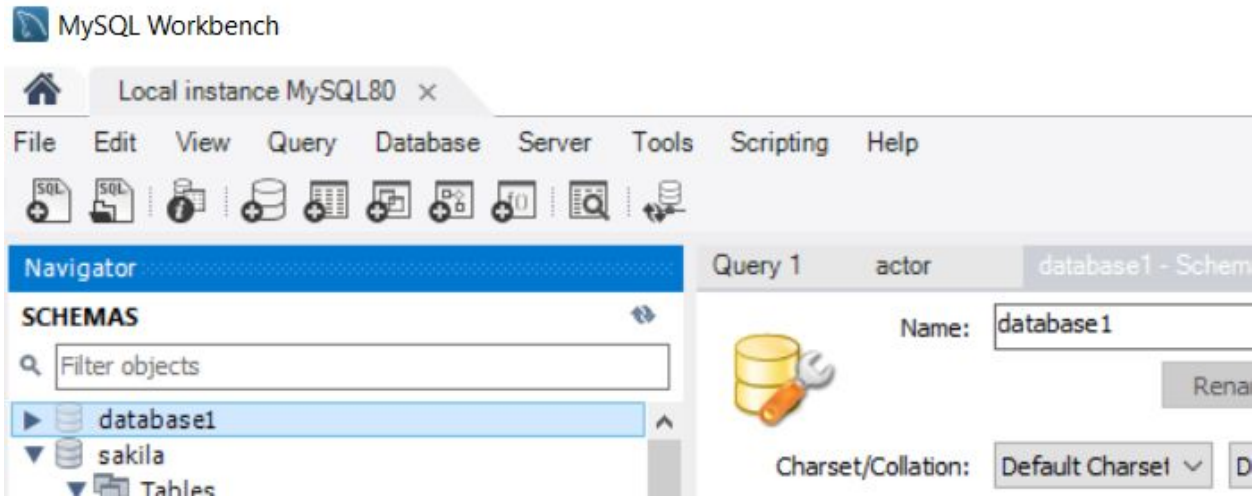
Step 3:
A new window appears select ‘Apply’



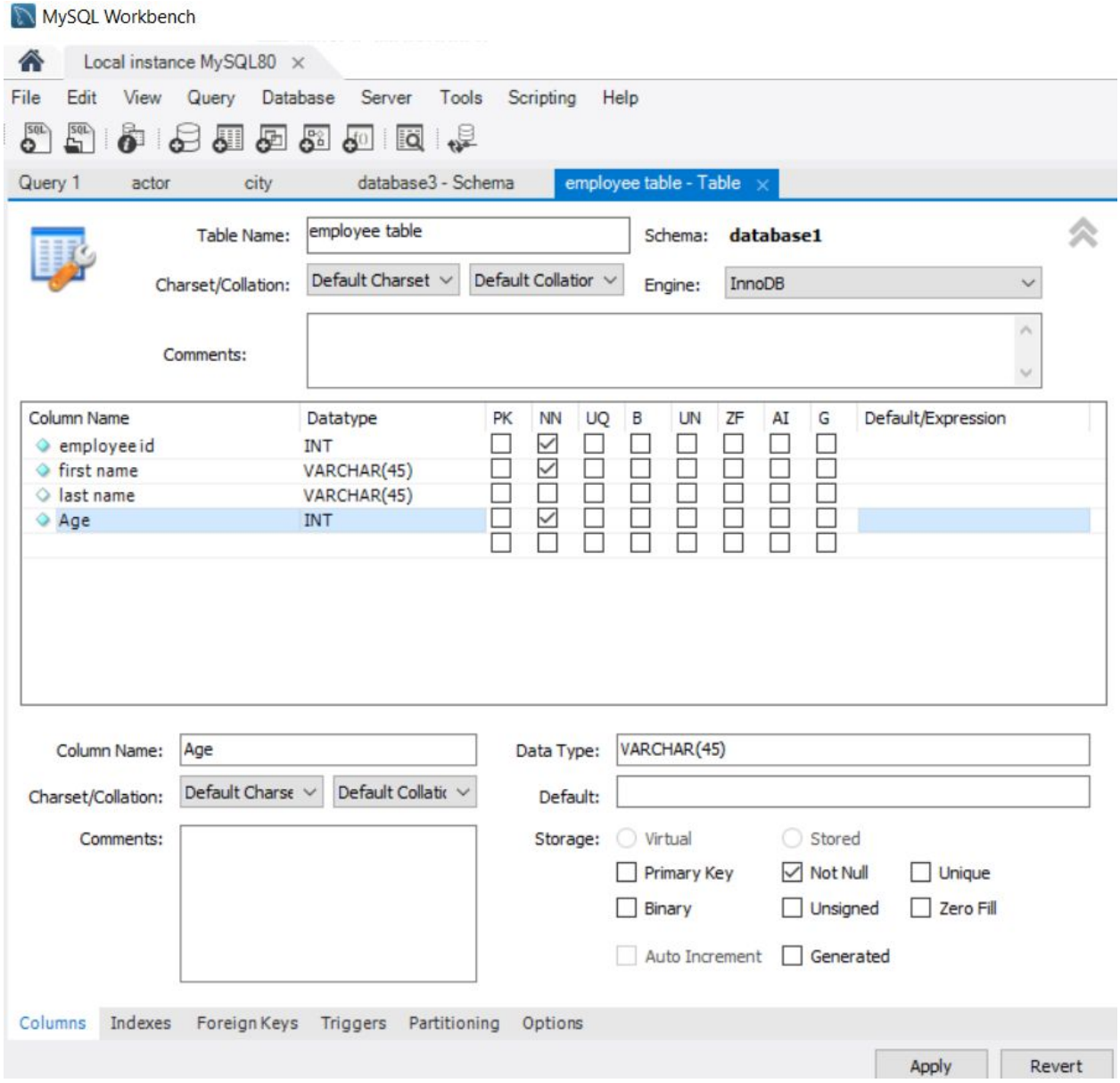
Step 3:
Select ‘Finish’

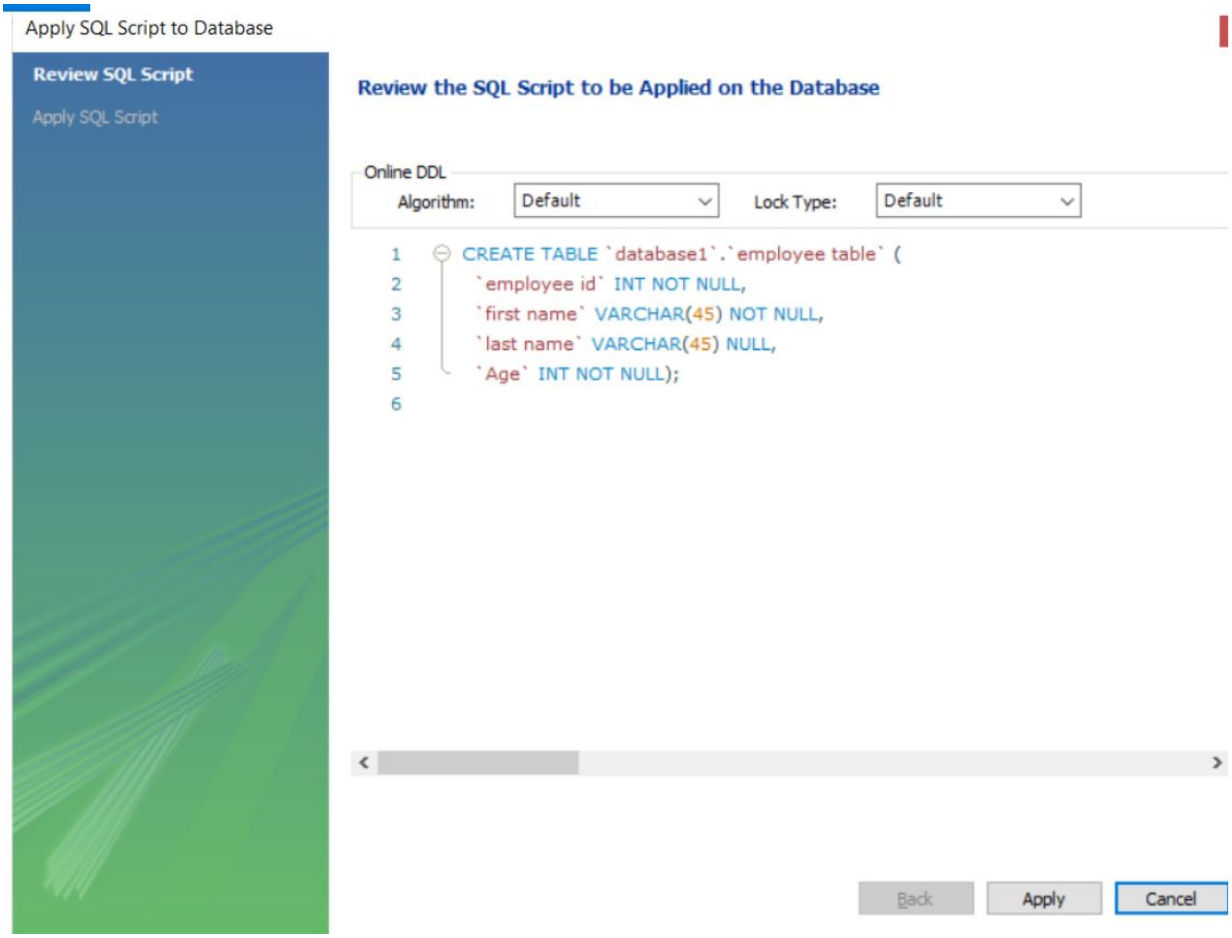


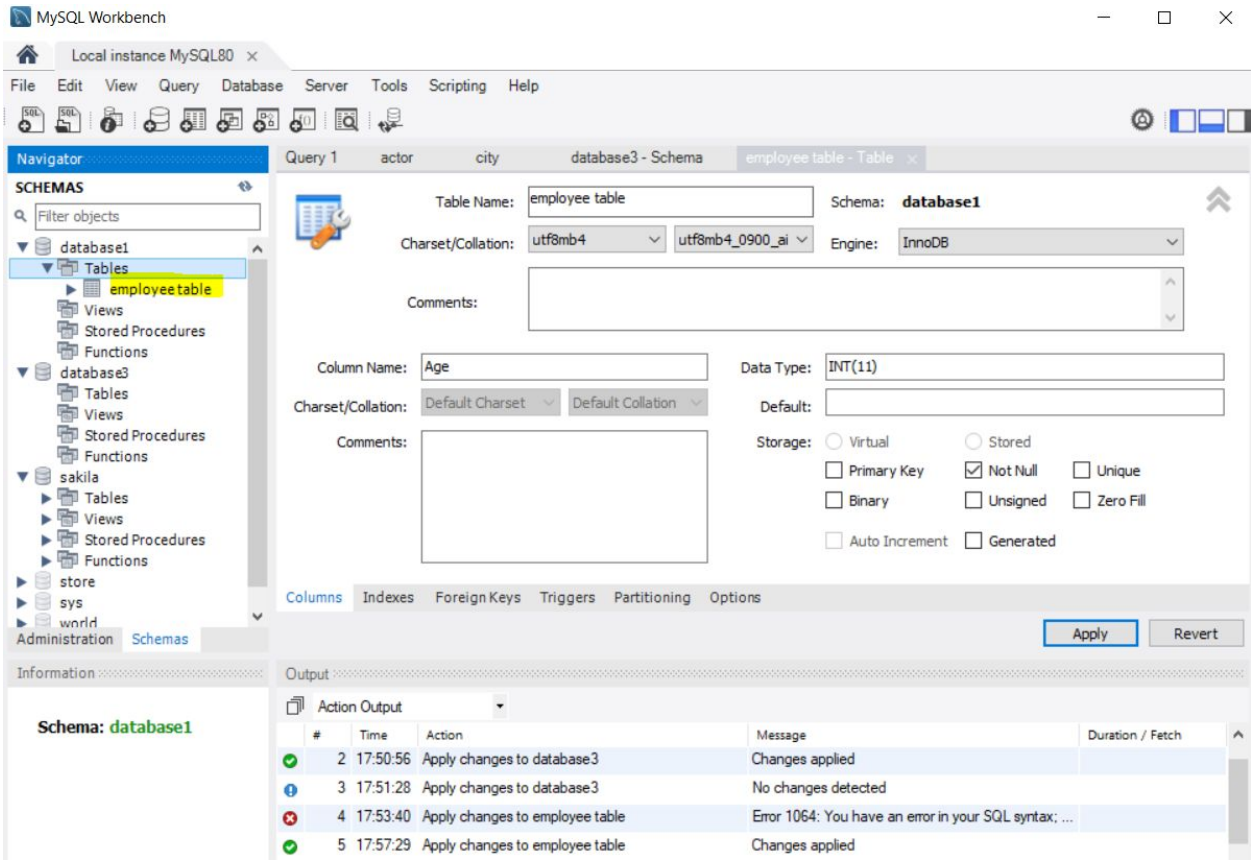
Step 4:
Create database1.



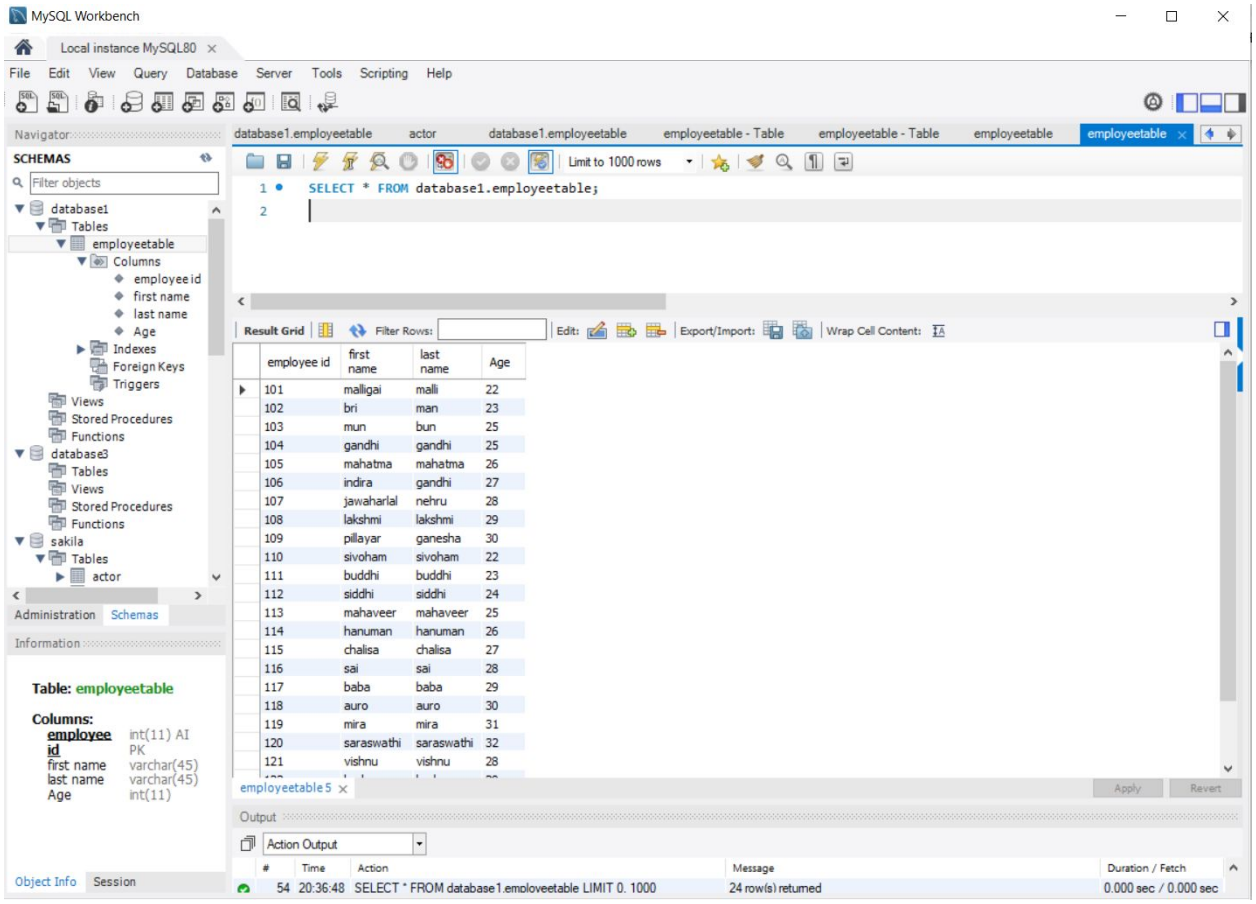
Step 5: add employee table and columns: employee id, first name, last name and Age.



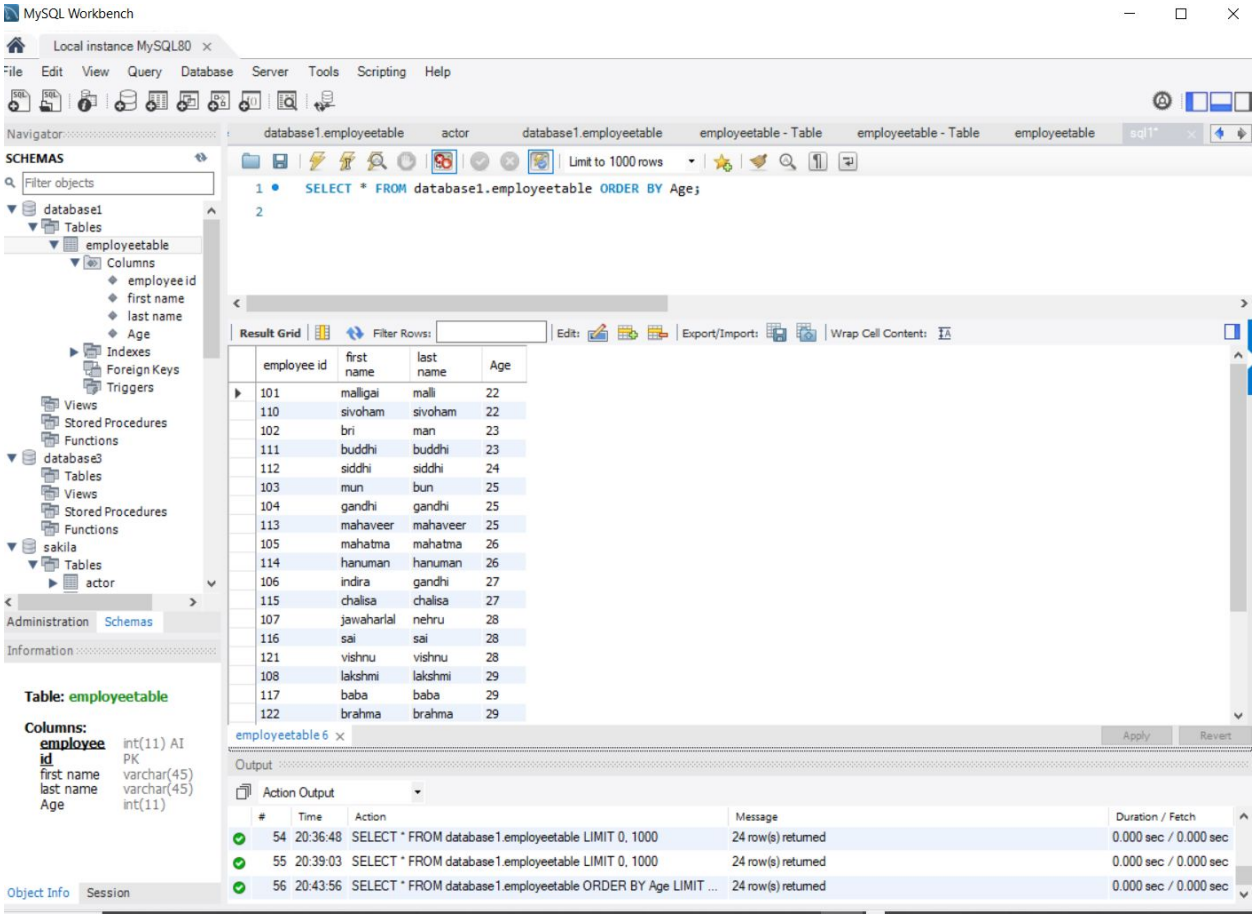

Apply SQL Script to Database
Review SQL Script
Apply SQL Script
Review the SQL Script to be Applied on the Database
Online DDL
Algorithm:
Default
Lock Type:
Default
1 CREATE TABLE `database1`.`employee table` (
2 `employee id` INT NOT NULL,
3 `first name` VARCHAR(45) NOT NULL,
4 `last name` VARCHAR(45) NULL,
5 `Age` INT NOT NULL);
6
Back
Apply
Cancel


MySQL Workbench
Local instance MySQL80
File Edit View Query Database Server Tools Scripting Help
Navigator
SCHEMAS
Filter objects
database1
Tables
employee table
Views
Stored Procedures
Functions
database3
Tables
Views
Stored Procedures
Functions
sakila
Tables
Views
Stored Procedures
Functions
store
sys
world
Administration Schemas
Information
Schema: database1
Query 1 actor city database3 - Schema employee table - Table
Table Name: employee table
Schema: database1
Charset/Collation: utf8mb4 utf8mb4_0900_ai
Engine: InnoDB
Comments:
Column Name: Age
Data Type: INT(11)
Charset/Collation: Default Charset Default Collation
Default:
Comments:
Storage: Virtual Stored
Primary Key Not Null Unique
Binary Unsigned Zero Fill
Auto Increment Generated
Columns Indexes Foreign Keys Triggers Partitioning Options
Apply Revert
Output
Action Output
Time Action Message Duration / Fetch
2 17:50:56 Apply changes to database3 Changes applied
3 17:51:28 Apply changes to database3 No changes detected
4 17:53:40 Apply changes to employee table Error 1064: You have an error in your SQL syntax; ...
5 17:57:29 Apply changes to employee table Changes applied

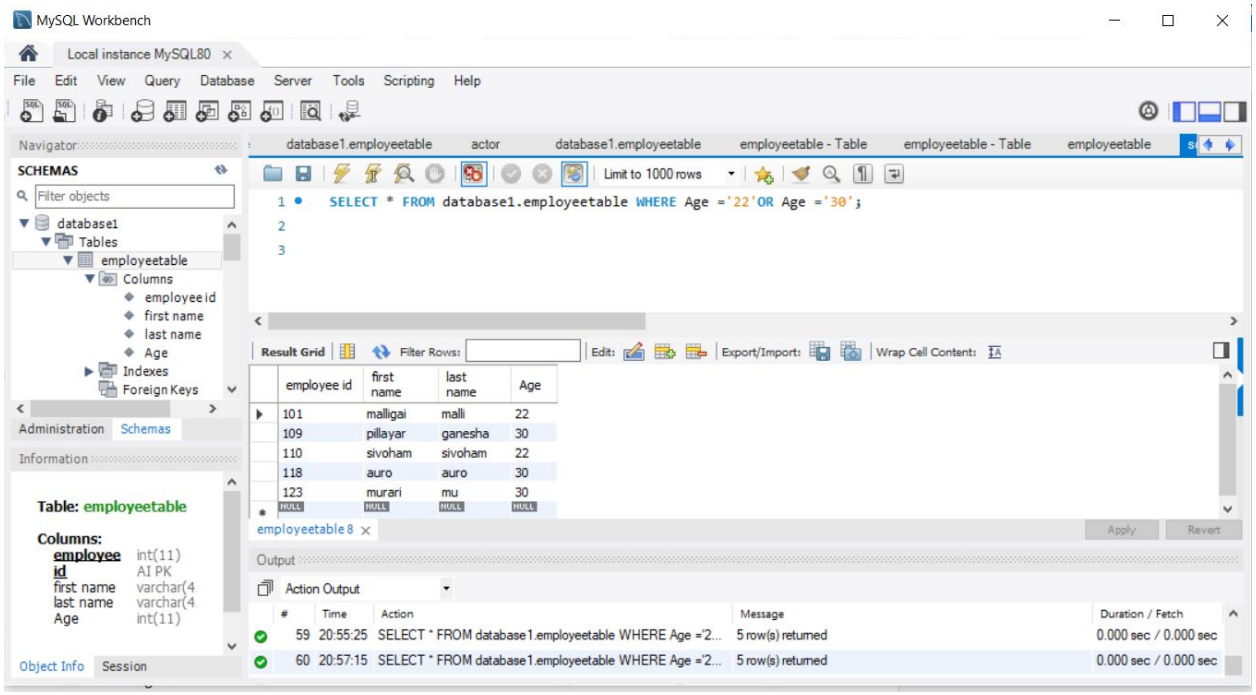
Step 7: Add data to the columns.



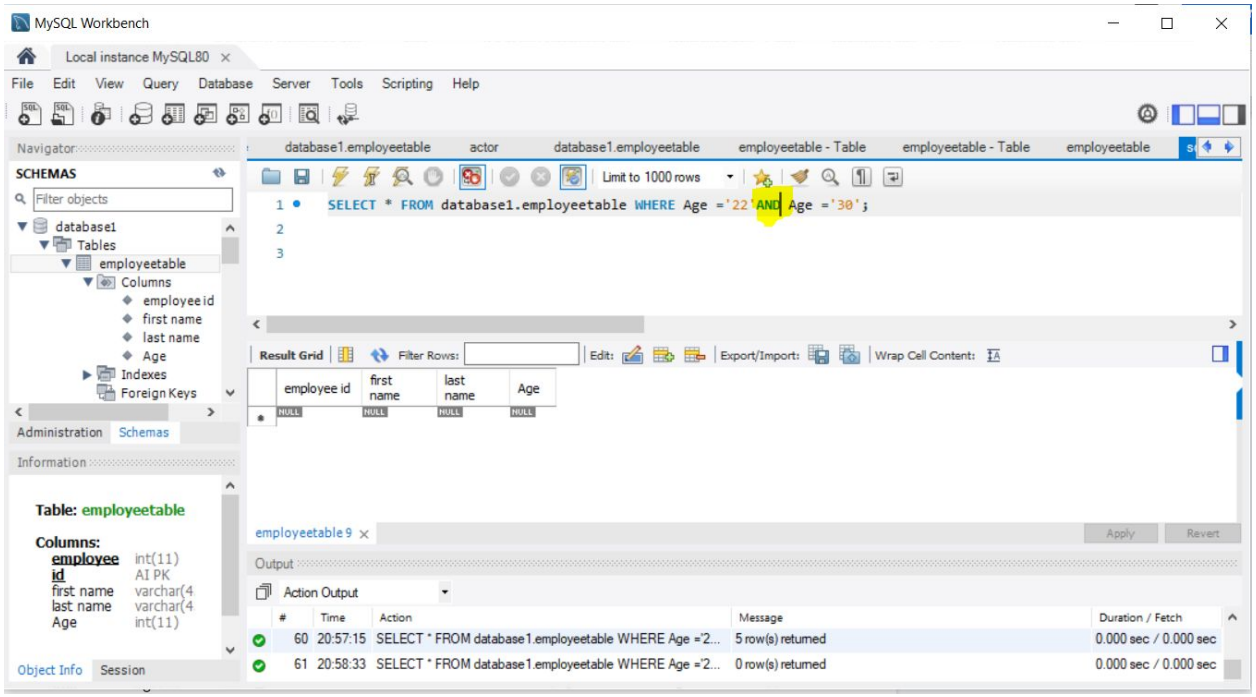
Step 8 : start querying database - ORDER BY query



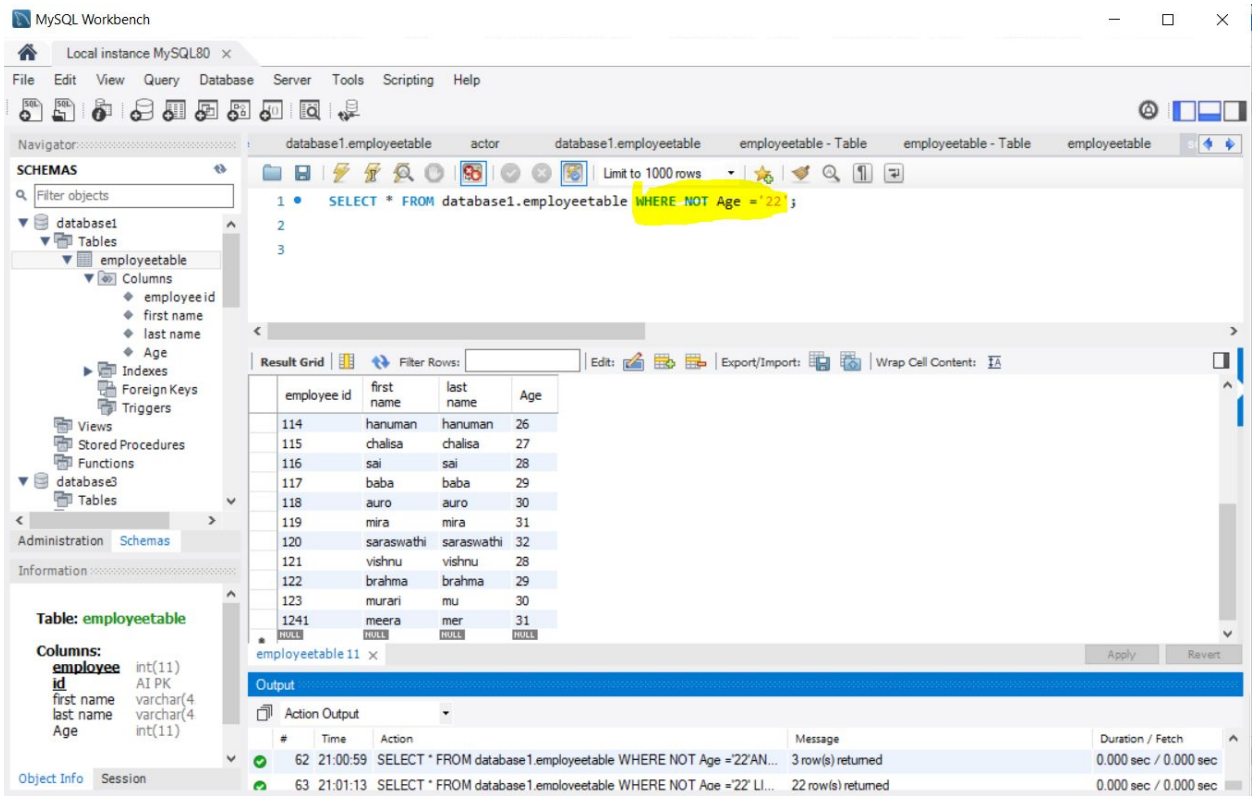
Step 9 : start querying database - OR query


MySQL Workbench
Local instance MySQL80
File Edit View Query Database Server Tools Scripting Help
Navigator
SCHEMAS
Filter objects
database1
Tables
employeetable
Columns
employee id
first name
last name
Age
Indexes
Foreign Keys
Administration Schemas
Information
Table: employeetable
Columns:
employee id int(11) AI PK
first name varchar(4
last name varchar(4
Age int(11)
Object Info Session
database1.employeetable actor database1.employeetable employeetable - Table employeetable - Table employeetable
Limit to 1000 rows
1 SELECT * FROM database1.employeetable WHERE Age ='22'OR Age ='30';
2
3
Result Grid Filter Rows: Edit: Export/Import: Wrap Cell Content:
employee id first name last name Age
101 malligai malli 22
109 pillayar ganesha 30
110 sivoham sivoham 22
118 auro auro 30
123 murari mu 30
NULL NULL NULL NULL
employeetable 8
Apply Revert
Output
Action Output
Time Action Message Duration / Fetch
59 20:55:25 SELECT * FROM database1.employeetable WHERE Age ='2... 5 row(s) returned 0.000 sec / 0.000 sec
60 20:57:15 SELECT * FROM database1.employeetable WHERE Age ='2... 5 row(s) returned 0.000 sec / 0.000 sec

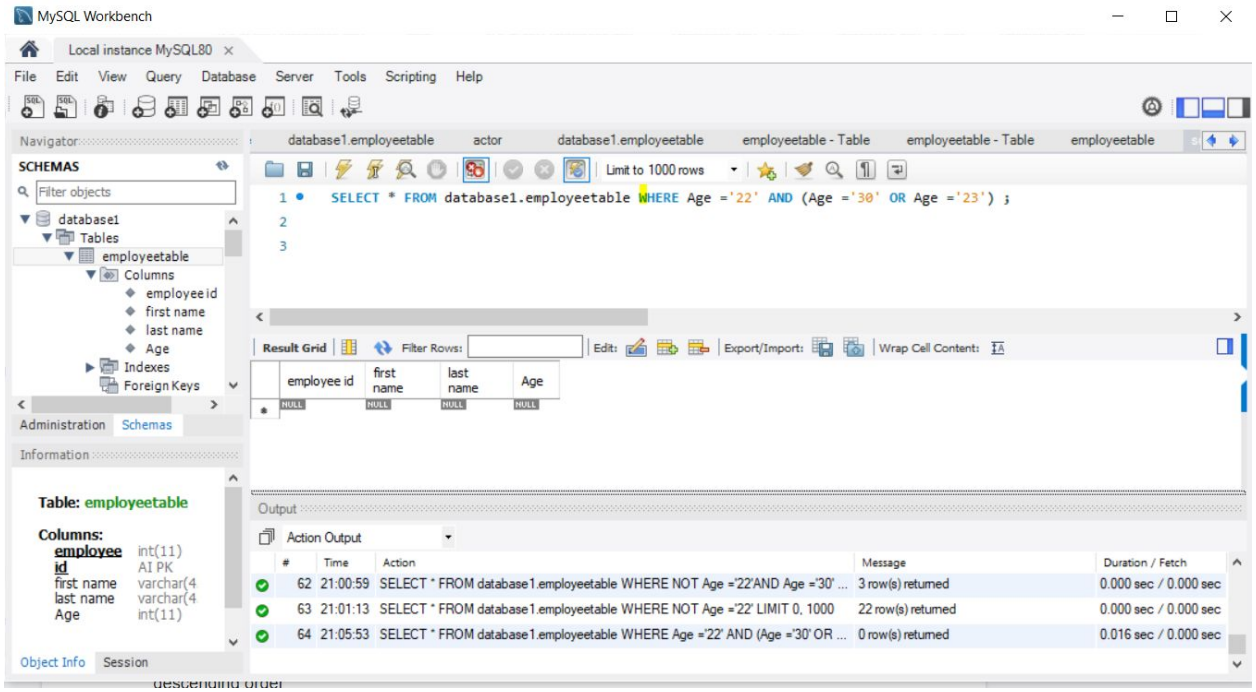
Step 10 : start querying database - AND query



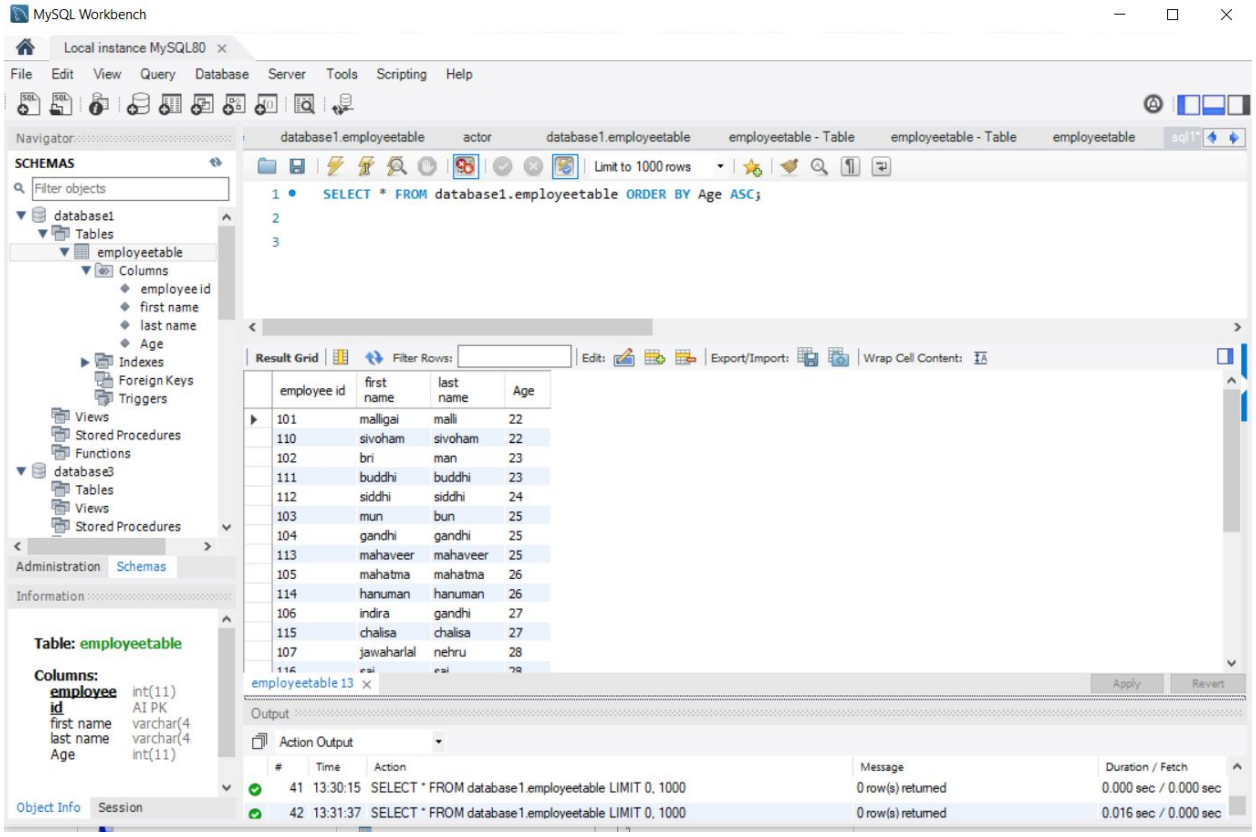
Step 11: start querying database - NOT query



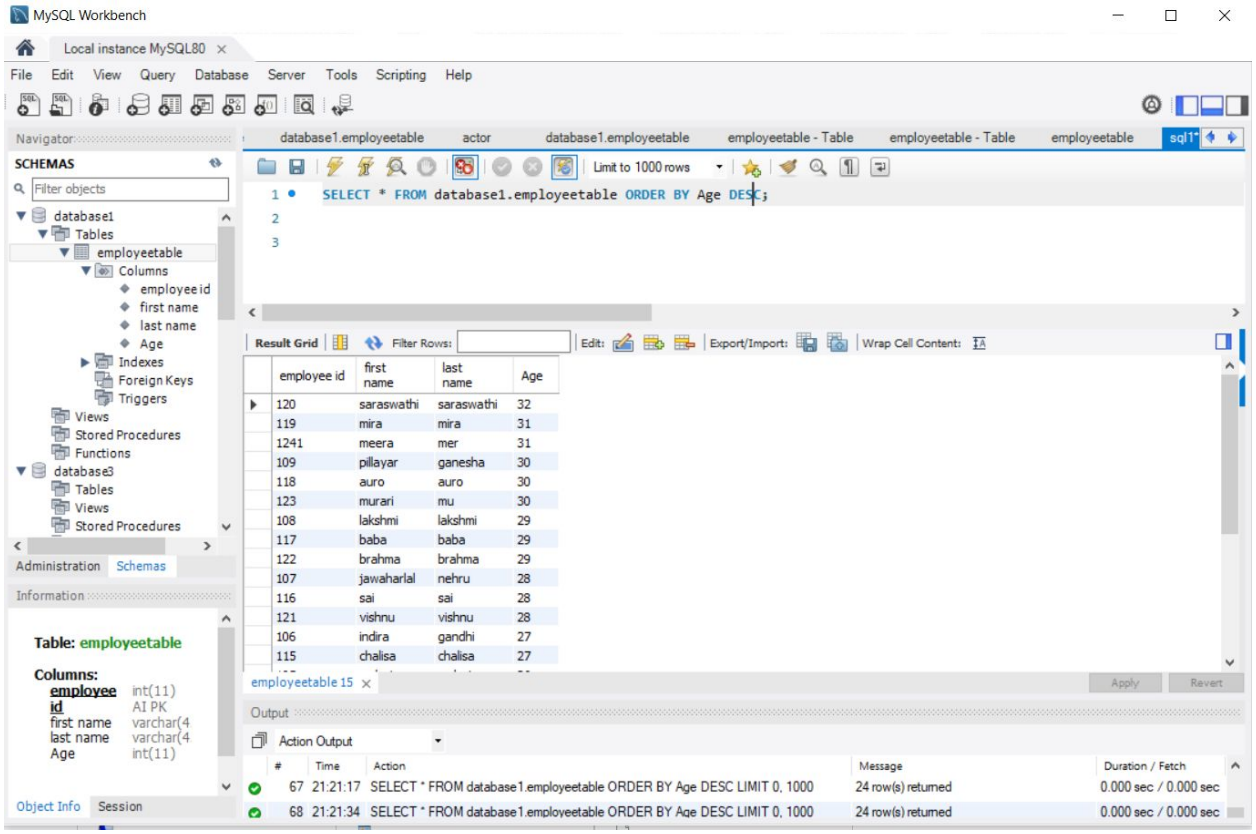
Step 12: start querying database - AND, OR query



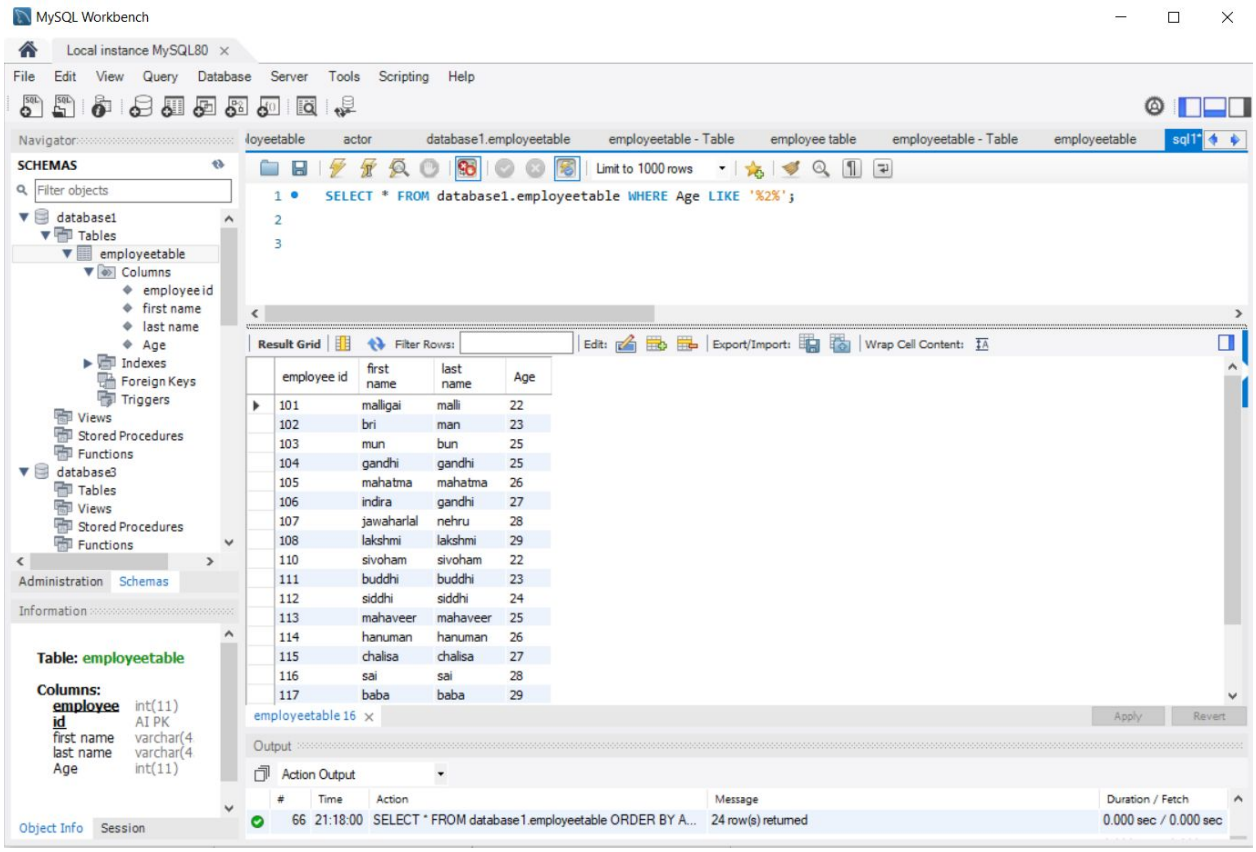
Step 13 : start querying database - ORDER BY ASC query



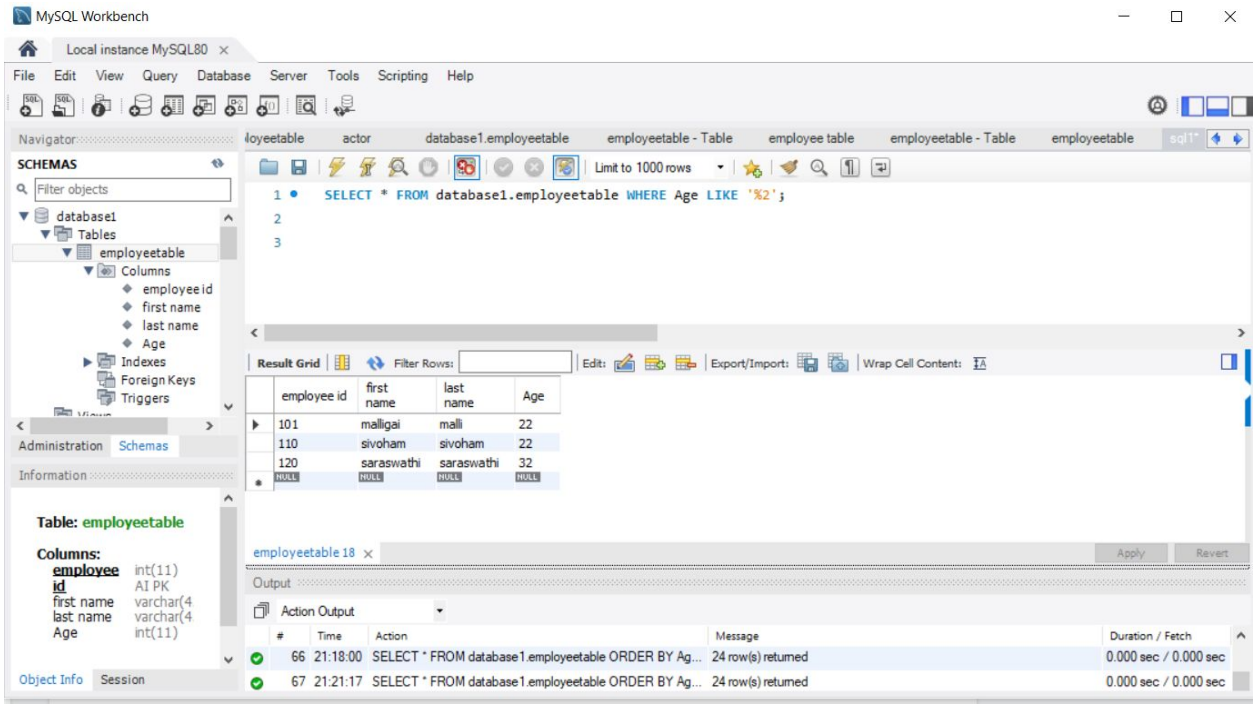
Step 14 : start querying database - ORDER BY DESC query



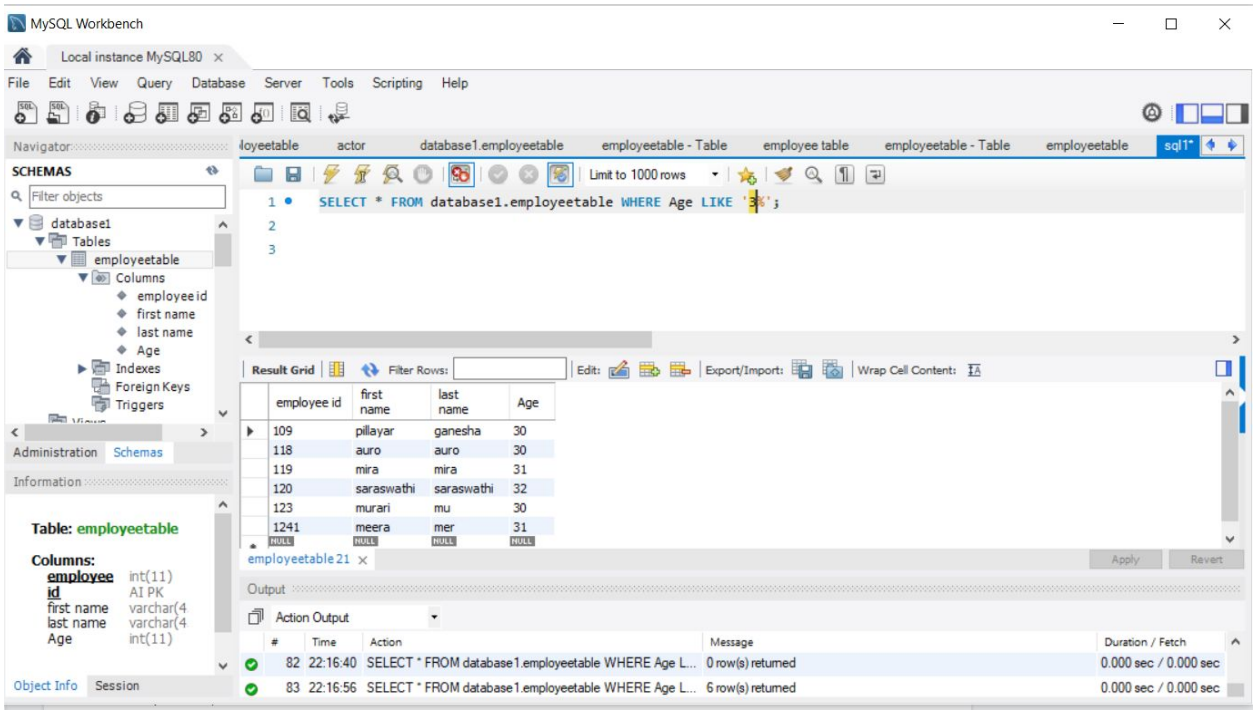
Step 15 : start querying database - LIKE PATTERN ‘%2% query



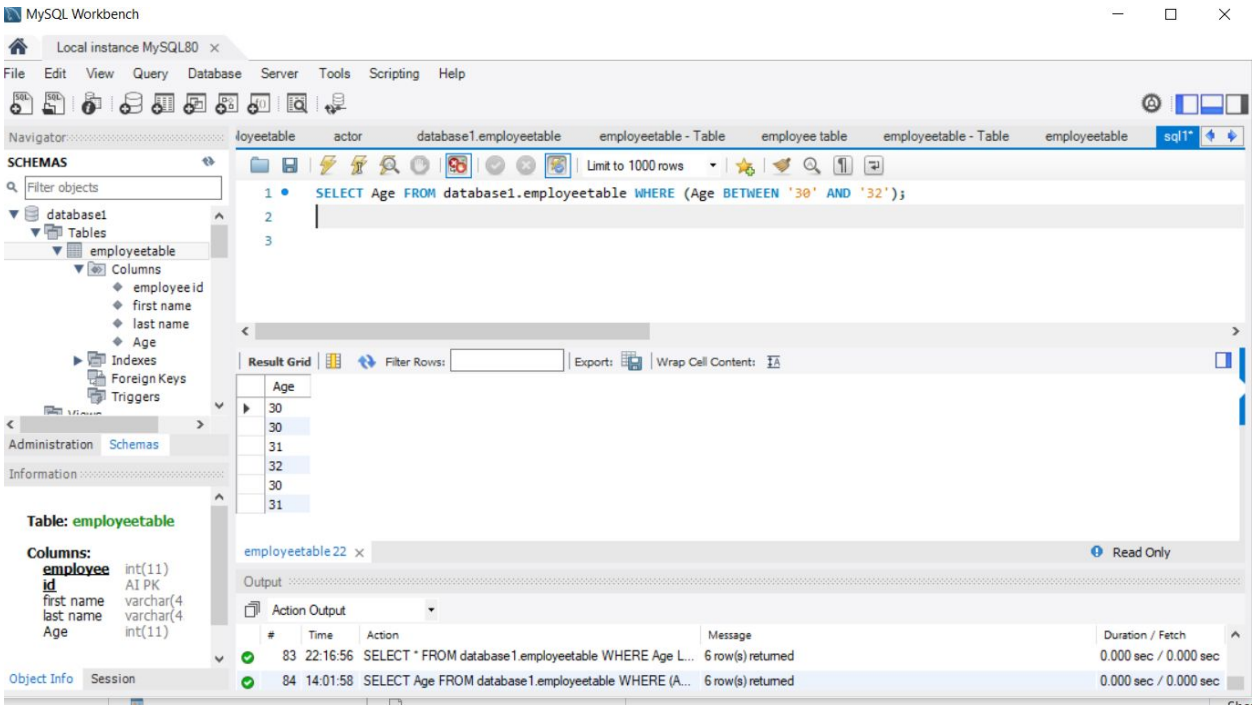
Step 16: start querying database - LIKE PATTERN ‘%2 query



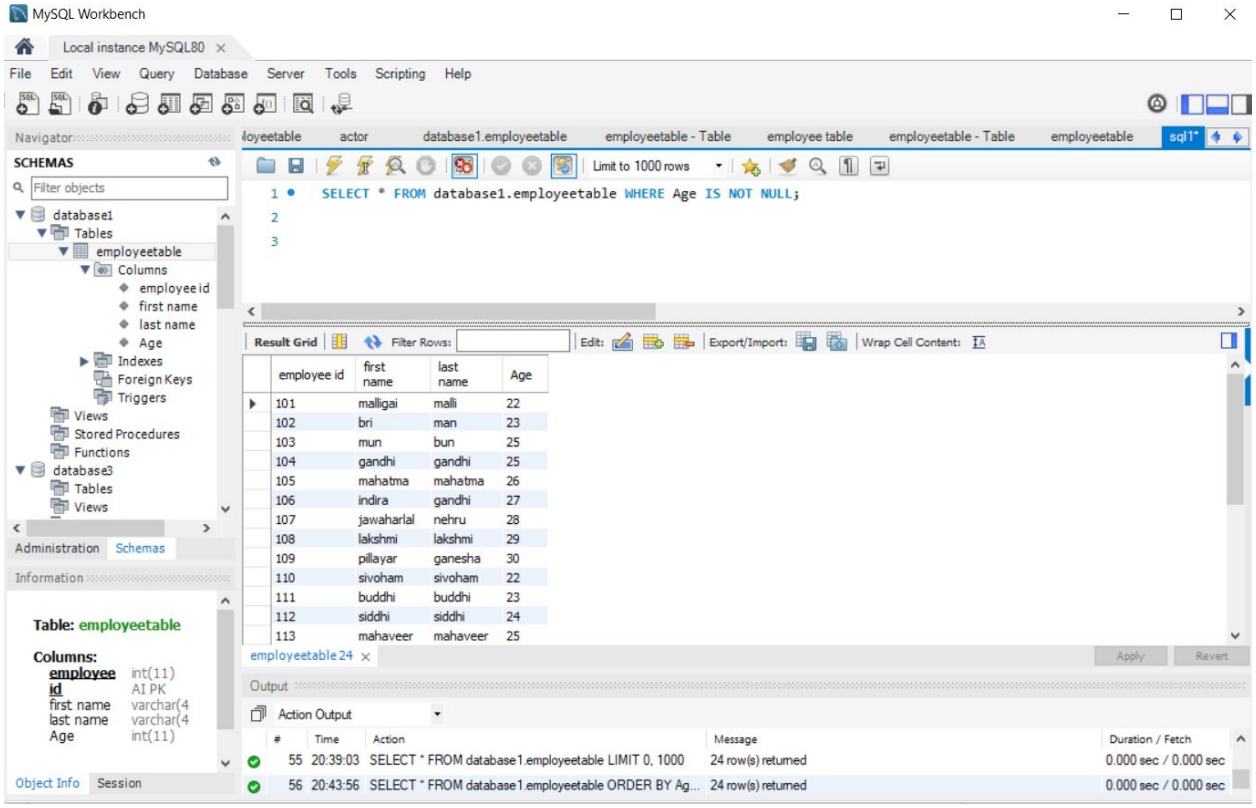
Step 17: start querying database - LIKE PATTERN ‘3%’ query



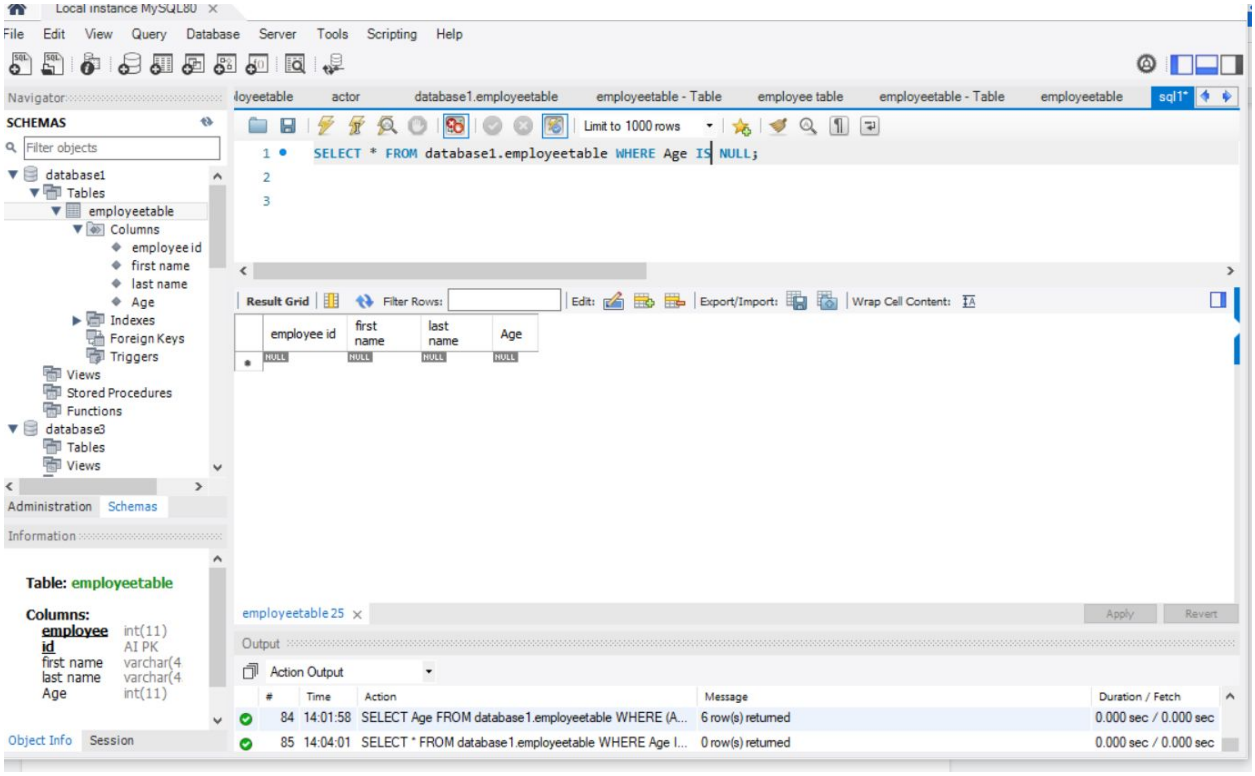
Step 18 : start querying database - BETWEEN, AND query



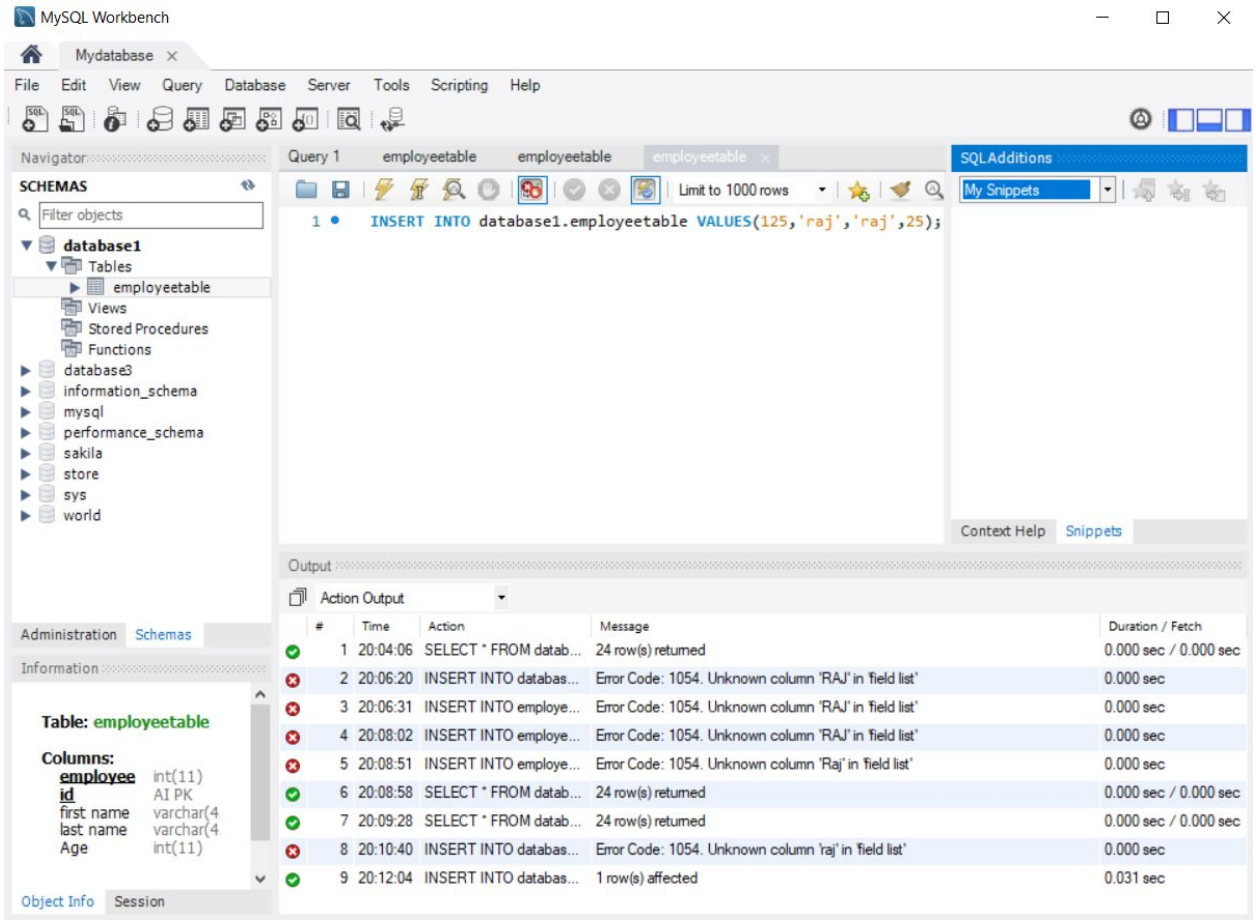
STEP 19: IS NOT NULL QUERY



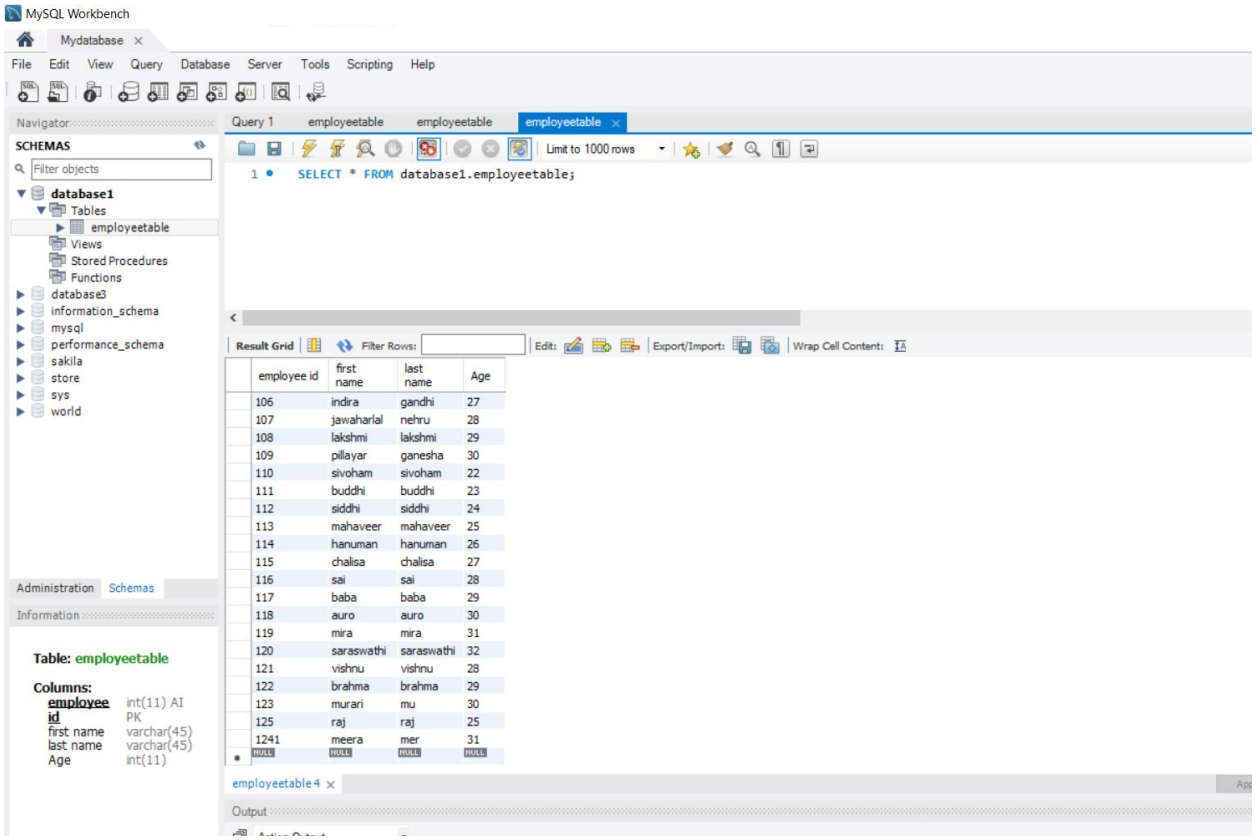
STEP 20: IS NULL QUERY



STEP 21: INSERT QUERY



STEP 22: SELECT QUERY TO SEE IF THE INSERT HAPPENED



STEP 23: DESCRIBE OPTION