File 1: Korth

|  |
| --- |
| CREATE DATABASE IF NOT EXISTS korthDB; |
| USE korthDB; |

Create tables for the following schemas:

* **employee (employee-name, street, city)**
* **works (employee-name, company-name, salary)**
* **company (company-name, city)**
* **manages (employee-name, manager-name)**

|  |
| --- |
| CREATE TABLE employee (  employee\_name VARCHAR(20),  street VARCHAR(6),  city VARCHAR(5)  ); |

**Insert into employee**

|  |
| --- |
| INSERT INTO employee VALUES ('ashoke','vip','cal');  INSERT INTO employee VALUES ('sanjay','gt','mum');  INSERT INTO employee VALUES ('rakesh','bt','cal');  INSERT INTO employee VALUES ('dilip','vip','cal');  INSERT INTO employee VALUES ('manoj','gt','del');  INSERT INTO employee VALUES ('pranab','vip','cal');  INSERT INTO employee VALUES ('salim','vip','del');  INSERT INTO employee VALUES ('karim','bt','mum');  INSERT INTO employee VALUES ('sayan','gt','cal');  INSERT INTO employee VALUES ('rajib','vip','mum'); |

**Create table Company**

|  |
| --- |
| CREATE TABLE company (  company\_name VARCHAR(20),  city VARCHAR(5)  ); |

**Insert into company**

|  |
| --- |
| INSERT INTO company VALUES ('satyam','mum');  INSERT INTO company VALUES ('satyam','del');  INSERT INTO company VALUES ('aol','cal');  INSERT INTO company VALUES ('vsnl','del'); |

**Create table Works**

|  |
| --- |
| CREATE TABLE works (  employee\_name VARCHAR(20),  company\_name VARCHAR(20),  salary INT  ); |

**Insert into Works**

|  |
| --- |
| INSERT INTO works VALUES ('rakesh','satyam',8000);  INSERT INTO works VALUES ('rajib','aol',15000);  INSERT INTO works VALUES ('manoj','aol',10000);  INSERT INTO works VALUES ('pranab','aol',50000);  INSERT INTO works VALUES ('karim','satyam',35000);  INSERT INTO works VALUES ('salim','satyam',6000);  INSERT INTO works VALUES ('sayan','aol',20000);  INSERT INTO works VALUES ('dilip','vsnl',35000);  INSERT INTO works VALUES ('ashoke','vsnl',13000);  INSERT INTO works VALUES ('sanjay','vsnl',30000); |

**Create table Manages**

|  |
| --- |
| CREATE TABLE manages (  employee\_name VARCHAR(20),  manager\_name VARCHAR(20)  ); |

**Insert into Manages**

|  |
| --- |
| INSERT INTO manages VALUES ('ashoke','dilip');  INSERT INTO manages VALUES ('sanjay','dilip');  INSERT INTO manages VALUES ('rakesh','karim');  INSERT INTO manages VALUES ('manoj','pranab');  INSERT INTO manages VALUES ('salim','karim');  INSERT INTO manages VALUES ('sayan','pranab');  INSERT INTO manages VALUES ('rajib','pranab'); |

**Test different queries:**

1. Find employees who work for VSNL

A screenshot of a computer

Description automatically generated

1. Find names and cities of VSNL employees

A screenshot of a computer

Description automatically generated

1. Find AOL employees with salary > 20K

A close up of a logo

Description automatically generated

1. Find employees living in same city as their company

A screenshot of a computer

Description automatically generated

1. Find employees living in same city and street as manager

A close up of words

Description automatically generated

1. Find employees not working for VSNL

A screenshot of a computer

Description automatically generated

1. Find employees earning more than every Satyam employee

A close up of a word

Description automatically generated

1. Find companies located in every city where VSNL is located

A screenshot of a computer

Description automatically generated

1. Find employees earning more than company average payroll

A screenshot of a computer

Description automatically generated

1. Find company with most employees

A close up of a website

Description automatically generated

1. Find company with smallest payroll

A close up of a website

Description automatically generated

1. Find companies whose average salary is more than Satyam's average

A screenshot of a computer

Description automatically generated