mysql> show tables;

+---------------+

| Tables\_in\_zoo |

+---------------+

| employee |

| feed |

| visitors |

| zoo |

+---------------+

4 rows in set (0.10 sec)

mysql> SELECT \* FROM zoo;

+-------+-----------------------------------------+-------------+--------------+------------+-------------------+-------------------+

| ZooId | Name | State | City | Contact\_No | Animal\_Population | Visitors\_per\_Year |

+-------+-----------------------------------------+-------------+--------------+------------+-------------------+-------------------+

| 1 | Alipore Zoological Gardens | West Bengal | Kolkata | 3324791150 | 1266 | 3000000 |

| 2 | Amirthi Zoological Park | Tamil Nadu | Vellore | 9789323326 | 174 | 131619 |

| 3 | Arignar Anna Zoological Park | Tamil Nadu | Chennai | 4422751089 | 2644 | 2040000 |

| 4 | Assam State Zoo-cum-Botanical Garden | Assam | Guwahati | 7002716702 | 895 | 450000 |

| 5 | Bannerghatta National Park | Karnataka | Bengaluru | 8029776466 | 1300 | 1616130 |

| 7 | Birsa Deer Park | Jharkhand | Ranchi | 6512480948 | 1450 | 800000 |

| 8 | Bondla Wildlife Sanctuary | Goa | Ponda | 8923561278 | 3213 | 100000 |

| 9 | Pipli Mini Zoo | Haryana | Pipli | 4677569871 | 345 | 25000 |

| 10 | Chhatbir Zoo | Punjab | Zirakpur | 5312674284 | 1432 | 125000 |

| 11 | Chennai Snake Park Trust | Tamil Nadu | Chennai | 8877598493 | 888 | 975764 |

| 12 | Chinkara Breeding Centre Kairu, Bhiwani | Haryana | Bahal | 7318696946 | 2873 | 1318592 |

| 13 | Crocodile Breeding Centre, Kurukshetra | Haryana | Bhaur Saidan | 9713775775 | 2699 | 1165670 |

+-------+-----------------------------------------+-------------+--------------+------------+-------------------+-------------------+

12 rows in set (0.01 sec)

mysql> SELECT \* FROM employee;

+-------+-------+----------+-------------------------+------------+--------+----------+------------+--------------+

| ZooId | EmpID | Name | Designation | Hire\_Date | Salary | Status | DaysWorked | MonthsWorked |

+-------+-------+----------+-------------------------+------------+--------+----------+------------+--------------+

| 1 | 1001 | Alex | Veterinarian | 2020-04-01 | 85000 | On Duty | 524 | 17 |

| 2 | 3242 | Aiden | Zookeeper | 2011-10-13 | 25000 | On Duty | 3617 | 119 |

| 3 | 3243 | Dan | Zookeeper | 2021-09-07 | 30000 | On Duty | 0 | 0 |

| 2 | 3435 | Rick | Development Director | 2015-09-01 | 95431 | On Duty | 2198 | NULL |

| 3 | 4387 | Ron | Aquarist | 2010-10-14 | 130000 | On Duty | 3981 | NULL |

| 1 | 4533 | Ray | Zookeeper | 2019-05-07 | 25000 | On Duty | 854 | NULL |

| 1 | 4643 | Josefine | Chief Operating Officer | 2004-06-04 | 35000 | On Duty | 6304 | NULL |

| 1 | 4862 | Norine | Curator of Exhibits | 2010-08-12 | NULL | On Duty | 4044 | NULL |

| 1 | 5446 | Stella | Conservation Biologist | 2016-03-09 | 250000 | Off Duty | 2008 | NULL |

| 3 | 5465 | Rebecca | Curator of Exhibits | 2021-09-07 | 45000 | On Duty | 0 | NULL |

| 1 | 5642 | Bianca | Aquarist | 2018-11-15 | 125000 | Off Duty | 1027 | NULL |

| 1 | 6432 | Val | Finance Manager | 2011-10-13 | NULL | On Duty | 3617 | NULL |

| 2 | 6512 | Mitchel | Veterinarian | 2009-10-27 | 85000 | On Duty | 4333 | NULL |

| 2 | 7956 | Sarah | Cheif Operating Officer | 2009-01-12 | 30000 | On Duty | 4621 | NULL |

| 2 | 8932 | Frank | Conservation Biologist | 2020-12-09 | 100000 | Off Duty | 272 | NULL |

| 2 | 8945 | Rex | Finance Manager | 2008-02-01 | 30000 | On Duty | 4967 | NULL |

| 1 | 8975 | Samual | Curator of Horticulture | 2010-07-01 | NULL | On Duty | 4086 | NULL |

| 2 | 8979 | Anna | Aquarist | 2010-03-08 | 45000 | On Duty | 4201 | NULL |

| 3 | 9743 | Maddison | Veterinarian | 2012-05-22 | 90000 | On Duty | 3395 | NULL |

+-------+-------+----------+-------------------------+------------+--------+----------+------------+--------------+

19 rows in set (0.01 sec)

mysql> SELECT \* FROM visitors;

+-------+----------+---------+------------+-----------+----------+-----------+

| ZooId | TicketNo | Name | VisitDate | EntryTime | ExitTime | TimeSpent |

+-------+----------+---------+------------+-----------+----------+-----------+

| 1 | 1001 | Chris | 2006-05-10 | 10:00:17 | 15:14:43 | 05:14:26 |

| 2 | 1005 | Cami | 2006-07-23 | 10:10:17 | 14:29:43 | 04:19:26 |

| 3 | 1006 | Janet | 2021-08-15 | 02:41:50 | 16:29:43 | 13:47:53 |

| 4 | 1007 | Zayn | 2021-08-15 | 09:53:17 | 17:28:29 | 07:35:12 |

| 1 | 1008 | Justina | 2010-10-14 | 09:00:00 | 06:00:00 | 03:00:00 |

| 1 | 1009 | Eustace | 2012-02-12 | 09:00:00 | 06:00:00 | 03:00:00 |

| 1 | 1010 | Delicia | 2015-05-23 | 09:00:00 | 06:00:00 | 03:00:00 |

| 1 | 1011 | Shelagh | 2019-03-20 | 09:00:00 | 06:00:00 | 03:00:00 |

| 1 | 1012 | Myrtle | 2018-12-10 | 09:00:00 | 06:00:00 | 03:00:00 |

| 2 | 1013 | Harley | 2010-10-14 | 09:00:00 | 06:00:00 | 03:00:00 |

| 2 | 1014 | Kevin | 2012-02-12 | 09:00:00 | 06:00:00 | 03:00:00 |

| 2 | 1015 | Norton | 2015-05-23 | 09:00:00 | 06:00:00 | 03:00:00 |

| 2 | 1016 | Dawson | 2019-03-20 | 09:00:00 | 06:00:00 | 03:00:00 |

| 2 | 1017 | Charlie | 2018-12-10 | 09:00:00 | 06:00:00 | 03:00:00 |

+-------+----------+---------+------------+-----------+----------+-----------+

14 rows in set (0.07 sec)

mysql> SELECT \* FROM feed;

+-------+---------------+----------------+-----------+

| ZooId | Genus | Species | Food\_type |

+-------+---------------+----------------+-----------+

| 1 | Panthera | leo | Carnivore |

| 1 | Panthera | pardus | Carnivore |

| 1 | Panthera | Tigris | Carnivore |

| 1 | Crocodylus | porosus | Carnivore |

| 1 | Canis | lupus | Carnivore |

| 1 | Hippopotamus | amphibius | Omnivore |

| 1 | Ceratotherium | simum | Omnivore |

| 1 | Ursus | arctos | Omnivore |

| 1 | Pan | trolodytes | Omnivore |

| 1 | Orycteropus | afer | Omnivore |

| 1 | Elephas | maximus | Herbivore |

| 1 | Giraffa | camelopardalis | Herbivore |

| 1 | Equus | quagga | Herbivore |

| 1 | Ailurus | fulgens | Herbivore |

| 1 | Hippotragus | niger | Herbivore |

+-------+---------------+----------------+-----------+

15 rows in set (0.06 sec)

mysql> CREATE TABLE NewZoo as SELECT \* FROM Zoo;

Query OK, 12 rows affected (0.11 sec)

Records: 12 Duplicates: 0 Warnings: 0

mysql> ALTER TABLE NEWZOO MODIFY COLUMN ZooID int Null;

Query OK, 0 rows affected (0.14 sec)

Records: 0 Duplicates: 0 Warnings: 0

mysql> CREATE TABLE EMP as SELECT \* FROM Employee where Daysworked IN(524,3617,3981,4100);

Query OK, 7 rows affected (0.10 sec)

Records: 7 Duplicates: 0 Warnings: 0

mysql> SELECT \* FROM EMP;

+-------+-------+--------+------------------------+------------+--------+---------+------------+--------------+

| ZooId | EmpID | Name | Designation | Hire\_Date | Salary | Status | DaysWorked | MonthsWorked |

+-------+-------+--------+------------------------+------------+--------+---------+------------+--------------+

| 1 | 1001 | Alex | Veterinarian | 2020-04-01 | 85000 | On Duty | 524 | 17 |

| 2 | 3242 | Aiden | Zookeeper | 2011-10-13 | 25000 | On Duty | 3617 | 119 |

| 3 | 4387 | Ron | Aquarist | 2010-10-14 | 130000 | On Duty | 3981 | NULL |

| 1 | 6432 | Val | Finance Manager | 2011-10-13 | NULL | On Duty | 3617 | NULL |

| 20 | 1111 | Belle | Development Director | 2010-07-01 | 80000 | On Duty | 4100 | NULL |

| 21 | 2222 | Cane | Finance Manager | 2010-07-01 | 40000 | On Duty | 4100 | NULL |

| 22 | 3333 | Amanda | Conservation Biologist | 2010-07-01 | 100000 | On Duty | 4100 | NULL |

+-------+-------+--------+------------------------+------------+--------+---------+------------+--------------+

7 rows in set (0.00 sec)

mysql> DELETE FROM EMP WHERE empID=6432;

Query OK, 1 row affected (0.04 sec)

mysql> CREATE TABLE Food as SELECT \* FROM Feed;

Query OK, 15 rows affected (0.11 sec)

Records: 15 Duplicates: 0 Warnings: 0

mysql> CREATE TABLE emp1 as SELECT \* FROM Emp;

Query OK, 6 rows affected (0.08 sec)

Records: 6 Duplicates: 0 Warnings: 0

mysql> ALTER TABLE emp1 MODIFY ZooID Varchar(5);

Query OK, 6 rows affected (0.17 sec)

Records: 6 Duplicates: 0 Warnings: 0

mysql> CREATE TABLE visit as SELECT \* FROM visitors where TicketNo IN(1001,1005,1006,1007);

Query OK, 4 rows affected (0.10 sec)

Records: 4 Duplicates: 0 Warnings: 0

mysql> INSERT INTO VISIT VALUES

-> (20,1008,'Diana','2010-10-14','09:00:00','18:00:00','09:00:00'),

-> (21,1009,'Harley','2010-10-14','09:00:00','18:00:00','09:00:00'),

-> (22,1010,'Jake','2010-10-14','09:00:00','18:00:00','09:00:00'),

-> (23,1011,'Marisha','2010-10-14','09:00:00','18:00:00','09:00:00');

Query OK, 4 rows affected (0.04 sec)

Records: 4 Duplicates: 0 Warnings: 0

mysql> ALTER TABLE visit rename column Zooid to ID;

Query OK, 0 rows affected (0.06 sec)

Records: 0 Duplicates: 0 Warnings: 0

mysql> DESC FOOD;

+-----------+-------------+------+-----+---------+-------+

| Field | Type | Null | Key | Default | Extra |

+-----------+-------------+------+-----+---------+-------+

| ZooId | int | YES | | NULL | |

| Genus | varchar(50) | YES | | NULL | |

| Species | varchar(50) | YES | | NULL | |

| Food\_type | varchar(50) | YES | | NULL | |

+-----------+-------------+------+-----+---------+-------+

4 rows in set (0.04 sec)

mysql> INSERT INTO FOOD VALUES

-> (15,'Equus','quagga','Herbivore'),

-> (16,'Equus','quagga','Herbivore'),

-> (17,'Equus','quagga','Herbivore');

Query OK, 3 rows affected (0.04 sec)

Records: 3 Duplicates: 0 Warnings: 0

mysql> ALTER TABLE FOOD MODIFY ZooID Varchar(5);

Query OK, 18 rows affected (0.15 sec)

Records: 18 Duplicates: 0 Warnings: 0

mysql> CREATE TABLE FEED1 as SELECT \* FROM FOOD where ZooId IN(15,16,17);

Query OK, 3 rows affected (0.08 sec)

Records: 3 Duplicates: 0 Warnings: 0

mysql> INSERT INTO food VALUES

-> (1,'Panthera','leo','Carnivore'),

-> (2,'Pan','trolodyte','Omnivore'),

-> (3,'Ursus','arctos','Omnivore'),

-> (4,'Canis','lupus','Carnivore');

Query OK, 4 rows affected (0.01 sec)

Records: 4 Duplicates: 0 Warnings: 0

mysql> ALTER TABLE food rename column Zooid to ID;

Query OK, 0 rows affected (0.06 sec)

Records: 0 Duplicates: 0 Warnings: 0

mysql> ALTER TABLE FOOD MODIFY ID Varchar(5);

Query OK, 0 rows affected (0.05 sec)

Records: 0 Duplicates: 0 Warnings: 0

**mysql>#TABLES USED**

**mysql> SHOW TABLES;**

+---------------+

| Tables\_in\_zoo |

+---------------+

| **emp** |

| **emp1** |

| employee |

| feed |

| **food** |

| **newzoo** |

| **visit** |

| visitors |

| zoo |

+---------------+

9 rows in set (0.03 sec)

**mysql> DESC NEWZOO;**

+-------------------+-------------+------+-----+---------+-------+

| Field | Type | Null | Key | Default | Extra |

+-------------------+-------------+------+-----+---------+-------+

| ZooId | int | YES | | 0 | |

| Name | varchar(50) | NO | | NULL | |

| State | varchar(50) | YES | | NULL | |

| City | varchar(50) | YES | | NULL | |

| Contact\_No | bigint | YES | | NULL | |

| Animal\_Population | int | YES | | NULL | |

| Visitors\_per\_Year | int | YES | | NULL | |

+-------------------+-------------+------+-----+---------+-------+

7 rows in set (0.05 sec)

**mysql> DESC EMP;**

+--------------+-------------+------+-----+---------+-------+

| Field | Type | Null | Key | Default | Extra |

+--------------+-------------+------+-----+---------+-------+

| ZooId | int | YES | | NULL | |

| EmpID | int | NO | | NULL | |

| Name | varchar(50) | YES | | NULL | |

| Designation | varchar(50) | YES | | NULL | |

| Hire\_Date | date | YES | | NULL | |

| Salary | int | YES | | NULL | |

| Status | varchar(40) | YES | | NULL | |

| DaysWorked | int | YES | | NULL | |

| MonthsWorked | int | YES | | NULL | |

+--------------+-------------+------+-----+---------+-------+

9 rows in set (0.00 sec)

**mysql> DESC EMP1;**

+--------------+-------------+------+-----+---------+-------+

| Field | Type | Null | Key | Default | Extra |

+--------------+-------------+------+-----+---------+-------+

| ZooID | varchar(5) | YES | | NULL | |

| EmpID | int | NO | | NULL | |

| Name | varchar(50) | YES | | NULL | |

| Designation | varchar(50) | YES | | NULL | |

| Hire\_Date | date | YES | | NULL | |

| Salary | int | YES | | NULL | |

| Status | varchar(40) | YES | | NULL | |

| DaysWorked | int | YES | | NULL | |

| MonthsWorked | int | YES | | NULL | |

+--------------+-------------+------+-----+---------+-------+

9 rows in set (0.00 sec)

**mysql> DESC VISIT;**

+-----------+-------------+------+-----+----------+-------+

| Field | Type | Null | Key | Default | Extra |

+-----------+-------------+------+-----+----------+-------+

| ID | int | NO | | NULL | |

| TicketNo | int | NO | | 0 | |

| Name | varchar(50) | YES | | NULL | |

| VisitDate | date | YES | | NULL | |

| EntryTime | time | YES | | 09:00:00 | |

| ExitTime | time | YES | | 06:00:00 | |

| TimeSpent | time | YES | | NULL | |

+-----------+-------------+------+-----+----------+-------+

7 rows in set (0.00 sec)

**mysql> DESC FOOD;**

+-----------+-------------+------+-----+---------+-------+

| Field | Type | Null | Key | Default | Extra |

+-----------+-------------+------+-----+---------+-------+

| ID | varchar(5) | YES | | NULL | |

| Genus | varchar(50) | YES | | NULL | |

| Species | varchar(50) | YES | | NULL | |

| Food\_type | varchar(50) | YES | | NULL | |

+-----------+-------------+------+-----+---------+-------+

4 rows in set (0.00 sec)

**mysql> SELECT \* FROM NewZoo;**

+-------+-----------------------------------------+-------------+--------------+------------+-------------------+-------------------+

| ZooId | Name | State | City | Contact\_No | Animal\_Population | Visitors\_per\_Year |

+-------+-----------------------------------------+-------------+--------------+------------+-------------------+-------------------+

| 1 | Alipore Zoological Gardens | West Bengal | Kolkata | 3324791150 | 1266 | 3000000 |

| 2 | Amirthi Zoological Park | Tamil Nadu | Vellore | 9789323326 | 174 | 131619 |

| 3 | Arignar Anna Zoological Park | Tamil Nadu | Chennai | 4422751089 | 2644 | 2040000 |

| 4 | Assam State Zoo-cum-Botanical Garden | Assam | Guwahati | 7002716702 | 895 | 450000 |

| 5 | Bannerghatta National Park | Karnataka | Bengaluru | 8029776466 | 1300 | 1616130 |

| 7 | Birsa Deer Park | Jharkhand | Ranchi | 6512480948 | 1450 | 800000 |

| 8 | Bondla Wildlife Sanctuary | Goa | Ponda | 8923561278 | 3213 | 100000 |

| 9 | Pipli Mini Zoo | Haryana | Pipli | 4677569871 | 345 | 25000 |

| 10 | Chhatbir Zoo | Punjab | Zirakpur | 5312674284 | 1432 | 125000 |

| 11 | Chennai Snake Park Trust | Tamil Nadu | Chennai | 8877598493 | 888 | 975764 |

| 12 | Chinkara Breeding Centre Kairu, Bhiwani | Haryana | Bahal | 7318696946 | 2873 | 1318592 |

| 13 | Crocodile Breeding Centre, Kurukshetra | Haryana | Bhaur Saidan | 9713775775 | 2699 | 1165670 |

+-------+-----------------------------------------+-------------+--------------+------------+-------------------+-------------------+

**mysql> SELECT \* FROM EMP;**

+-------+-------+--------+------------------------+------------+--------+---------+------------+--------------+

| ZooId | EmpID | Name | Designation | Hire\_Date | Salary | Status | DaysWorked | MonthsWorked |

+-------+-------+--------+------------------------+------------+--------+---------+------------+--------------+

| 1 | 1001 | Alex | Veterinarian | 2020-04-01 | 85000 | On Duty | 524 | 17 |

| 2 | 3242 | Aiden | Zookeeper | 2011-10-13 | 25000 | On Duty | 3617 | 119 |

| 3 | 4387 | Ron | Aquarist | 2010-10-14 | 130000 | On Duty | 3981 | NULL |

| 20 | 1111 | Belle | Development Director | 2010-07-01 | 80000 | On Duty | 4100 | NULL |

| 21 | 2222 | Cane | Finance Manager | 2010-07-01 | 40000 | On Duty | 4100 | NULL |

| 22 | 3333 | Amanda | Conservation Biologist | 2010-07-01 | 100000 | On Duty | 4100 | NULL |

+-------+-------+--------+------------------------+------------+--------+---------+------------+--------------+

6 rows in set (0.03 sec)

**mysql> SELECT \* FROM EMP1;**

+-------+-------+--------+------------------------+------------+--------+---------+------------+--------------+

| ZooID | EmpID | Name | Designation | Hire\_Date | Salary | Status | DaysWorked | MonthsWorked |

+-------+-------+--------+------------------------+------------+--------+---------+------------+--------------+

| 1 | 1001 | Alex | Veterinarian | 2020-04-01 | 85000 | On Duty | 524 | 17 |

| 2 | 3242 | Aiden | Zookeeper | 2011-10-13 | 25000 | On Duty | 3617 | 119 |

| 3 | 4387 | Ron | Aquarist | 2010-10-14 | 130000 | On Duty | 3981 | NULL |

| 20 | 1111 | Belle | Development Director | 2010-07-01 | 80000 | On Duty | 4100 | NULL |

| 21 | 2222 | Cane | Finance Manager | 2010-07-01 | 40000 | On Duty | 4100 | NULL |

| 22 | 3333 | Amanda | Conservation Biologist | 2010-07-01 | 100000 | On Duty | 4100 | NULL |

+-------+-------+--------+------------------------+------------+--------+---------+------------+--------------+

6 rows in set (0.03 sec)

**mysql> SELECT \* FROM VISIT;**

+----+----------+---------+------------+-----------+----------+-----------+

| ID | TicketNo | Name | VisitDate | EntryTime | ExitTime | TimeSpent |

+----+----------+---------+------------+-----------+----------+-----------+

| 1 | 1001 | Chris | 2006-05-10 | 10:00:17 | 15:14:43 | 05:14:26 |

| 2 | 1005 | Cami | 2006-07-23 | 10:10:17 | 14:29:43 | 04:19:26 |

| 3 | 1006 | Janet | 2021-08-15 | 02:41:50 | 16:29:43 | 13:47:53 |

| 4 | 1007 | Zayn | 2021-08-15 | 09:53:17 | 17:28:29 | 07:35:12 |

| 20 | 1008 | Diana | 2010-10-14 | 09:00:00 | 18:00:00 | 09:00:00 |

| 21 | 1009 | Harley | 2010-10-14 | 09:00:00 | 18:00:00 | 09:00:00 |

| 22 | 1010 | Jake | 2010-10-14 | 09:00:00 | 18:00:00 | 09:00:00 |

| 23 | 1011 | Marisha | 2010-10-14 | 09:00:00 | 18:00:00 | 09:00:00 |

+----+----------+---------+------------+-----------+----------+-----------+

8 rows in set (0.02 sec)

**mysql> SELECT \* FROM FOOD;**

+------+----------+-----------+-----------+

| ID | Genus | Species | Food\_type |

+------+----------+-----------+-----------+

| 15 | Equus | quagga | Herbivore |

| 16 | Equus | quagga | Herbivore |

| 17 | Equus | quagga | Herbivore |

| 1 | Panthera | leo | Carnivore |

| 2 | Pan | trolodyte | Omnivore |

| 3 | Ursus | arctos | Omnivore |

| 4 | Canis | lupus | Carnivore |

+------+----------+-----------+-----------+

7 rows in set (0.03 sec)

**mysql> #NATURAL JOIN**

**mysql> #SAME NAME SAME DATA TYPE**

**mysql> SELECT \* FROM NewZoo NATURAL JOIN Emp;**

**Empty set (0.00 sec)**

mysql> ALTER TABLE NEWZOO RENAME COLUMN NAME TO ZooName;

Query OK, 0 rows affected (0.03 sec)

Records: 0 Duplicates: 0 Warnings: 0

mysql> ALTER TABLE EMP RENAME COLUMN NAME TO EmpName;

Query OK, 0 rows affected (0.06 sec)

Records: 0 Duplicates: 0 Warnings: 0

mysql> ALTER TABLE EMP1 RENAME COLUMN NAME TO EmpName;

Query OK, 0 rows affected (0.05 sec)

Records: 0 Duplicates: 0 Warnings: 0

mysql> ALTER TABLE VISIT RENAME COLUMN NAME TO VisitorName;

Query OK, 0 rows affected (0.05 sec)

Records: 0 Duplicates: 0 Warnings: 0

**mysql> #NATURAL JOIN**

**mysql> #SAME NAME SAME DATA TYPE**

**mysql> SELECT \* FROM NewZoo NATURAL JOIN Emp;**

+-------+------------------------------+-------------+---------+------------+-------------------+-------------------+-------+---------+--------------+------------+--------+---------+------------+--------------+

| ZooID | ZooName | State | City | Contact\_No | Animal\_Population | Visitors\_per\_Year | EmpID | EmpName | Designation | Hire\_Date | Salary | Status | DaysWorked | MonthsWorked |

+-------+------------------------------+-------------+---------+------------+-------------------+-------------------+-------+---------+--------------+------------+--------+---------+------------+--------------+

| 1 | Alipore Zoological Gardens | West Bengal | Kolkata | 3324791150 | 1266 | 3000000 | 1001 | Alex | Veterinarian | 2020-04-01 | 85000 | On Duty | 524 | 17 |

| 2 | Amirthi Zoological Park | Tamil Nadu | Vellore | 9789323326 | 174 | 131619 | 3242 | Aiden | Zookeeper | 2011-10-13 | 25000 | On Duty | 3617 | 119 |

| 3 | Arignar Anna Zoological Park | Tamil Nadu | Chennai | 4422751089 | 2644 | 2040000 | 4387 | Ron | Aquarist | 2010-10-14 | 130000 | On Duty | 3981 | NULL |

+-------+------------------------------+-------------+---------+------------+-------------------+-------------------+-------+---------+--------------+------------+--------+---------+------------+--------------+

3 rows in set (0.02 sec)

**mysql> #SAME NAME DIFFERENT DATA TYPE**

**mysql> SELECT \* FROM NewZoo NATURAL JOIN Emp1;**

+-------+------------------------------+-------------+---------+------------+-------------------+-------------------+-------+---------+--------------+------------+--------+---------+------------+--------------+

| ZooID | ZooName | State | City | Contact\_No | Animal\_Population | Visitors\_per\_Year | EmpID | EmpName | Designation | Hire\_Date | Salary | Status | DaysWorked | MonthsWorked |

+-------+------------------------------+-------------+---------+------------+-------------------+-------------------+-------+---------+--------------+------------+--------+---------+------------+--------------+

| 1 | Alipore Zoological Gardens | West Bengal | Kolkata | 3324791150 | 1266 | 3000000 | 1001 | Alex | Veterinarian | 2020-04-01 | 85000 | On Duty | 524 | 17 |

| 2 | Amirthi Zoological Park | Tamil Nadu | Vellore | 9789323326 | 174 | 131619 | 3242 | Aiden | Zookeeper | 2011-10-13 | 25000 | On Duty | 3617 | 119 |

| 3 | Arignar Anna Zoological Park | Tamil Nadu | Chennai | 4422751089 | 2644 | 2040000 | 4387 | Ron | Aquarist | 2010-10-14 | 130000 | On Duty | 3981 | NULL |

+-------+------------------------------+-------------+---------+------------+-------------------+-------------------+-------+---------+--------------+------------+--------+---------+------------+--------------+

3 rows in set (0.04 sec)

**mysql> #DIFFERENT NAME SAME DATA TYPE**

**mysql> SELECT \* FROM NewZoo NATURAL JOIN Visit limit 10;**

+-------+----------------------------+-------------+---------+------------+-------------------+-------------------+------+----------+-------------+------------+-----------+----------+-----------+

| ZooID | ZooName | State | City | Contact\_No | Animal\_Population | Visitors\_per\_Year | ID | TicketNo | VisitorName | VisitDate | EntryTime | ExitTime | TimeSpent |

+-------+----------------------------+-------------+---------+------------+-------------------+-------------------+------+----------+-------------+------------+-----------+----------+-----------+

| 1 | Alipore Zoological Gardens | West Bengal | Kolkata | 3324791150 | 1266 | 3000000 | 23 | 1011 | Marisha | 2010-10-14 | 09:00:00 | 18:00:00 | 09:00:00 |

| 1 | Alipore Zoological Gardens | West Bengal | Kolkata | 3324791150 | 1266 | 3000000 | 22 | 1010 | Jake | 2010-10-14 | 09:00:00 | 18:00:00 | 09:00:00 |

| 1 | Alipore Zoological Gardens | West Bengal | Kolkata | 3324791150 | 1266 | 3000000 | 21 | 1009 | Harley | 2010-10-14 | 09:00:00 | 18:00:00 | 09:00:00 |

| 1 | Alipore Zoological Gardens | West Bengal | Kolkata | 3324791150 | 1266 | 3000000 | 20 | 1008 | Diana | 2010-10-14 | 09:00:00 | 18:00:00 | 09:00:00 |

| 1 | Alipore Zoological Gardens | West Bengal | Kolkata | 3324791150 | 1266 | 3000000 | 4 | 1007 | Zayn | 2021-08-15 | 09:53:17 | 17:28:29 | 07:35:12 |

| 1 | Alipore Zoological Gardens | West Bengal | Kolkata | 3324791150 | 1266 | 3000000 | 3 | 1006 | Janet | 2021-08-15 | 02:41:50 | 16:29:43 | 13:47:53 |

| 1 | Alipore Zoological Gardens | West Bengal | Kolkata | 3324791150 | 1266 | 3000000 | 2 | 1005 | Cami | 2006-07-23 | 10:10:17 | 14:29:43 | 04:19:26 |

| 1 | Alipore Zoological Gardens | West Bengal | Kolkata | 3324791150 | 1266 | 3000000 | 1 | 1001 | Chris | 2006-05-10 | 10:00:17 | 15:14:43 | 05:14:26 |

| 2 | Amirthi Zoological Park | Tamil Nadu | Vellore | 9789323326 | 174 | 131619 | 23 | 1011 | Marisha | 2010-10-14 | 09:00:00 | 18:00:00 | 09:00:00 |

| 2 | Amirthi Zoological Park | Tamil Nadu | Vellore | 9789323326 | 174 | 131619 | 22 | 1010 | Jake | 2010-10-14 | 09:00:00 | 18:00:00 | 09:00:00 |

+-------+----------------------------+-------------+---------+------------+-------------------+-------------------+------+----------+-------------+------------+-----------+----------+-----------+

10 rows in set (0.00 sec)

**mysql> #DIFFERENT NAME DIFFERENT DATA TYPE**

**mysql> SELECT \* FROM NewZoo NATURAL JOIN Food limit 10;**

+-------+----------------------------+-------------+---------+------------+-------------------+-------------------+------+----------+-----------+-----------+

| ZooID | ZooName | State | City | Contact\_No | Animal\_Population | Visitors\_per\_Year | ID | Genus | Species | Food\_type |

+-------+----------------------------+-------------+---------+------------+-------------------+-------------------+------+----------+-----------+-----------+

| 1 | Alipore Zoological Gardens | West Bengal | Kolkata | 3324791150 | 1266 | 3000000 | 4 | Canis | lupus | Carnivore |

| 1 | Alipore Zoological Gardens | West Bengal | Kolkata | 3324791150 | 1266 | 3000000 | 3 | Ursus | arctos | Omnivore |

| 1 | Alipore Zoological Gardens | West Bengal | Kolkata | 3324791150 | 1266 | 3000000 | 2 | Pan | trolodyte | Omnivore |

| 1 | Alipore Zoological Gardens | West Bengal | Kolkata | 3324791150 | 1266 | 3000000 | 1 | Panthera | leo | Carnivore |

| 1 | Alipore Zoological Gardens | West Bengal | Kolkata | 3324791150 | 1266 | 3000000 | 17 | Equus | quagga | Herbivore |

| 1 | Alipore Zoological Gardens | West Bengal | Kolkata | 3324791150 | 1266 | 3000000 | 16 | Equus | quagga | Herbivore |

| 1 | Alipore Zoological Gardens | West Bengal | Kolkata | 3324791150 | 1266 | 3000000 | 15 | Equus | quagga | Herbivore |

| 2 | Amirthi Zoological Park | Tamil Nadu | Vellore | 9789323326 | 174 | 131619 | 4 | Canis | lupus | Carnivore |

| 2 | Amirthi Zoological Park | Tamil Nadu | Vellore | 9789323326 | 174 | 131619 | 3 | Ursus | arctos | Omnivore |

| 2 | Amirthi Zoological Park | Tamil Nadu | Vellore | 9789323326 | 174 | 131619 | 2 | Pan | trolodyte | Omnivore |

+-------+----------------------------+-------------+---------+------------+-------------------+-------------------+------+----------+-----------+-----------+

10 rows in set (0.00 sec)

**mysql> #INNER JOIN**

**mysql> #WITHOUT = CONDITION**

**mysql> SELECT \* FROM NewZoo INNER JOIN Emp LIMIT 10;**

+-------+----------------------------+-------------+---------+------------+-------------------+-------------------+-------+-------+---------+------------------------+------------+--------+---------+------------+--------------+

| ZooID | ZooName | State | City | Contact\_No | Animal\_Population | Visitors\_per\_Year | ZooId | EmpID | EmpName | Designation | Hire\_Date | Salary | Status | DaysWorked | MonthsWorked |

+-------+----------------------------+-------------+---------+------------+-------------------+-------------------+-------+-------+---------+------------------------+------------+--------+---------+------------+--------------+

| 1 | Alipore Zoological Gardens | West Bengal | Kolkata | 3324791150 | 1266 | 3000000 | 22 | 3333 | Amanda | Conservation Biologist | 2010-07-01 | 100000 | On Duty | 4100 | NULL |

| 1 | Alipore Zoological Gardens | West Bengal | Kolkata | 3324791150 | 1266 | 3000000 | 21 | 2222 | Cane | Finance Manager | 2010-07-01 | 40000 | On Duty | 4100 | NULL |

| 1 | Alipore Zoological Gardens | West Bengal | Kolkata | 3324791150 | 1266 | 3000000 | 20 | 1111 | Belle | Development Director | 2010-07-01 | 80000 | On Duty | 4100 | NULL |

| 1 | Alipore Zoological Gardens | West Bengal | Kolkata | 3324791150 | 1266 | 3000000 | 3 | 4387 | Ron | Aquarist | 2010-10-14 | 130000 | On Duty | 3981 | NULL |

| 1 | Alipore Zoological Gardens | West Bengal | Kolkata | 3324791150 | 1266 | 3000000 | 2 | 3242 | Aiden | Zookeeper | 2011-10-13 | 25000 | On Duty | 3617 | 119 |

| 1 | Alipore Zoological Gardens | West Bengal | Kolkata | 3324791150 | 1266 | 3000000 | 1 | 1001 | Alex | Veterinarian | 2020-04-01 | 85000 | On Duty | 524 | 17 |

| 2 | Amirthi Zoological Park | Tamil Nadu | Vellore | 9789323326 | 174 | 131619 | 22 | 3333 | Amanda | Conservation Biologist | 2010-07-01 | 100000 | On Duty | 4100 | NULL |

| 2 | Amirthi Zoological Park | Tamil Nadu | Vellore | 9789323326 | 174 | 131619 | 21 | 2222 | Cane | Finance Manager | 2010-07-01 | 40000 | On Duty | 4100 | NULL |

| 2 | Amirthi Zoological Park | Tamil Nadu | Vellore | 9789323326 | 174 | 131619 | 20 | 1111 | Belle | Development Director | 2010-07-01 | 80000 | On Duty | 4100 | NULL |

| 2 | Amirthi Zoological Park | Tamil Nadu | Vellore | 9789323326 | 174 | 131619 | 3 | 4387 | Ron | Aquarist | 2010-10-14 | 130000 | On Duty | 3981 | NULL |

+-------+----------------------------+-------------+---------+------------+-------------------+-------------------+-------+-------+---------+------------------------+------------+--------+---------+------------+--------------+

10 rows in set (0.00 sec)

**mysql> #SAME NAME SAME DATA TYPE**

**mysql> SELECT \* FROM NewZoo INNER JOIN Emp ON NewZoo.ZooID = Emp.ZooId;**

+-------+------------------------------+-------------+---------+------------+-------------------+-------------------+-------+-------+---------+--------------+------------+--------+---------+------------+--------------+

| ZooID | ZooName | State | City | Contact\_No | Animal\_Population | Visitors\_per\_Year | ZooId | EmpID | EmpName | Designation | Hire\_Date | Salary | Status | DaysWorked | MonthsWorked |

+-------+------------------------------+-------------+---------+------------+-------------------+-------------------+-------+-------+---------+--------------+------------+--------+---------+------------+--------------+

| 1 | Alipore Zoological Gardens | West Bengal | Kolkata | 3324791150 | 1266 | 3000000 | 1 | 1001 | Alex | Veterinarian | 2020-04-01 | 85000 | On Duty | 524 | 17 |

| 2 | Amirthi Zoological Park | Tamil Nadu | Vellore | 9789323326 | 174 | 131619 | 2 | 3242 | Aiden | Zookeeper | 2011-10-13 | 25000 | On Duty | 3617 | 119 |

| 3 | Arignar Anna Zoological Park | Tamil Nadu | Chennai | 4422751089 | 2644 | 2040000 | 3 | 4387 | Ron | Aquarist | 2010-10-14 | 130000 | On Duty | 3981 | NULL |

+-------+------------------------------+-------------+---------+------------+-------------------+-------------------+-------+-------+---------+--------------+------------+--------+---------+------------+--------------+

3 rows in set (0.00 sec)

**mysql> #SAME NAME DIFFERENT DATA TYPE**

**mysql> SELECT \* FROM NewZoo INNER JOIN Emp1 ON NewZoo.ZooID = Emp1.ZooId;**

+-------+------------------------------+-------------+---------+------------+-------------------+-------------------+-------+-------+---------+--------------+------------+--------+---------+------------+--------------+

| ZooID | ZooName | State | City | Contact\_No | Animal\_Population | Visitors\_per\_Year | ZooID | EmpID | EmpName | Designation | Hire\_Date | Salary | Status | DaysWorked | MonthsWorked |

+-------+------------------------------+-------------+---------+------------+-------------------+-------------------+-------+-------+---------+--------------+------------+--------+---------+------------+--------------+

| 1 | Alipore Zoological Gardens | West Bengal | Kolkata | 3324791150 | 1266 | 3000000 | 1 | 1001 | Alex | Veterinarian | 2020-04-01 | 85000 | On Duty | 524 | 17 |

| 2 | Amirthi Zoological Park | Tamil Nadu | Vellore | 9789323326 | 174 | 131619 | 2 | 3242 | Aiden | Zookeeper | 2011-10-13 | 25000 | On Duty | 3617 | 119 |

| 3 | Arignar Anna Zoological Park | Tamil Nadu | Chennai | 4422751089 | 2644 | 2040000 | 3 | 4387 | Ron | Aquarist | 2010-10-14 | 130000 | On Duty | 3981 | NULL |

+-------+------------------------------+-------------+---------+------------+-------------------+-------------------+-------+-------+---------+--------------+------------+--------+---------+------------+--------------+

3 rows in set (0.00 sec)

**mysql> #DIFFERENT NAME SAME DATA TYPE**

**mysql> SELECT \* FROM NewZoo INNER JOIN Visit ON NewZoo.ZooID = Visit.Id;**

+-------+--------------------------------------+-------------+----------+------------+-------------------+-------------------+------+----------+-------------+------------+-----------+----------+-----------+

| ZooID | ZooName | State | City | Contact\_No | Animal\_Population | Visitors\_per\_Year | ID | TicketNo | VisitorName | VisitDate | EntryTime | ExitTime | TimeSpent |

+-------+--------------------------------------+-------------+----------+------------+-------------------+-------------------+------+----------+-------------+------------+-----------+----------+-----------+

| 1 | Alipore Zoological Gardens | West Bengal | Kolkata | 3324791150 | 1266 | 3000000 | 1 | 1001 | Chris | 2006-05-10 | 10:00:17 | 15:14:43 | 05:14:26 |

| 2 | Amirthi Zoological Park | Tamil Nadu | Vellore | 9789323326 | 174 | 131619 | 2 | 1005 | Cami | 2006-07-23 | 10:10:17 | 14:29:43 | 04:19:26 |

| 3 | Arignar Anna Zoological Park | Tamil Nadu | Chennai | 4422751089 | 2644 | 2040000 | 3 | 1006 | Janet | 2021-08-15 | 02:41:50 | 16:29:43 | 13:47:53 |

| 4 | Assam State Zoo-cum-Botanical Garden | Assam | Guwahati | 7002716702 | 895 | 450000 | 4 | 1007 | Zayn | 2021-08-15 | 09:53:17 | 17:28:29 | 07:35:12 |

+-------+--------------------------------------+-------------+----------+------------+-------------------+-------------------+------+----------+-------------+------------+-----------+----------+-----------+

4 rows in set (0.00 sec)

**mysql> #DIFFERENT NAME DIFFERENT DATA TYPE**

**mysql> SELECT \* FROM NewZoo INNER JOIN Food ON NewZoo.ZooID = Food.Id;**

+-------+--------------------------------------+-------------+----------+------------+-------------------+-------------------+------+----------+-----------+-----------+

| ZooID | ZooName | State | City | Contact\_No | Animal\_Population | Visitors\_per\_Year | ID | Genus | Species | Food\_type |

+-------+--------------------------------------+-------------+----------+------------+-------------------+-------------------+------+----------+-----------+-----------+

| 1 | Alipore Zoological Gardens | West Bengal | Kolkata | 3324791150 | 1266 | 3000000 | 1 | Panthera | leo | Carnivore |

| 2 | Amirthi Zoological Park | Tamil Nadu | Vellore | 9789323326 | 174 | 131619 | 2 | Pan | trolodyte | Omnivore |

| 3 | Arignar Anna Zoological Park | Tamil Nadu | Chennai | 4422751089 | 2644 | 2040000 | 3 | Ursus | arctos | Omnivore |

| 4 | Assam State Zoo-cum-Botanical Garden | Assam | Guwahati | 7002716702 | 895 | 450000 | 4 | Canis | lupus | Carnivore |

+-------+--------------------------------------+-------------+----------+------------+-------------------+-------------------+------+----------+-----------+-----------+

4 rows in set (0.00 sec)

**mysql> #OUTER JOIN**

**mysql> #LEFT OUTER JOIN**

**mysql> #SAME NAME SAME DATA TYPE**

**mysql> SELECT \* FROM NewZoo LEFT JOIN Emp ON NewZoo.ZooID = Emp.ZooId;**

+-------+-----------------------------------------+-------------+--------------+------------+-------------------+-------------------+-------+-------+---------+--------------+------------+--------+---------+------------+--------------+

| ZooID | ZooName | State | City | Contact\_No | Animal\_Population | Visitors\_per\_Year | ZooId | EmpID | EmpName | Designation | Hire\_Date | Salary | Status | DaysWorked | MonthsWorked |

+-------+-----------------------------------------+-------------+--------------+------------+-------------------+-------------------+-------+-------+---------+--------------+------------+--------+---------+------------+--------------+

| 1 | Alipore Zoological Gardens | West Bengal | Kolkata | 3324791150 | 1266 | 3000000 | 1 | 1001 | Alex | Veterinarian | 2020-04-01 | 85000 | On Duty | 524 | 17 |

| 2 | Amirthi Zoological Park | Tamil Nadu | Vellore | 9789323326 | 174 | 131619 | 2 | 3242 | Aiden | Zookeeper | 2011-10-13 | 25000 | On Duty | 3617 | 119 |

| 3 | Arignar Anna Zoological Park | Tamil Nadu | Chennai | 4422751089 | 2644 | 2040000 | 3 | 4387 | Ron | Aquarist | 2010-10-14 | 130000 | On Duty | 3981 | NULL |

| 4 | Assam State Zoo-cum-Botanical Garden | Assam | Guwahati | 7002716702 | 895 | 450000 | NULL | NULL | NULL | NULL | NULL | NULL | NULL | NULL | NULL |

| 5 | Bannerghatta National Park | Karnataka | Bengaluru | 8029776466 | 1300 | 1616130 | NULL | NULL | NULL | NULL | NULL | NULL | NULL | NULL | NULL |

| 7 | Birsa Deer Park | Jharkhand | Ranchi | 6512480948 | 1450 | 800000 | NULL | NULL | NULL | NULL | NULL | NULL | NULL | NULL | NULL |

| 8 | Bondla Wildlife Sanctuary | Goa | Ponda | 8923561278 | 3213 | 100000 | NULL | NULL | NULL | NULL | NULL | NULL | NULL | NULL | NULL |

| 9 | Pipli Mini Zoo | Haryana | Pipli | 4677569871 | 345 | 25000 | NULL | NULL | NULL | NULL | NULL | NULL | NULL | NULL | NULL |

| 10 | Chhatbir Zoo | Punjab | Zirakpur | 5312674284 | 1432 | 125000 | NULL | NULL | NULL | NULL | NULL | NULL | NULL | NULL | NULL |

| 11 | Chennai Snake Park Trust | Tamil Nadu | Chennai | 8877598493 | 888 | 975764 | NULL | NULL | NULL | NULL | NULL | NULL | NULL | NULL | NULL |

| 12 | Chinkara Breeding Centre Kairu, Bhiwani | Haryana | Bahal | 7318696946 | 2873 | 1318592 | NULL | NULL | NULL | NULL | NULL | NULL | NULL | NULL | NULL |

| 13 | Crocodile Breeding Centre, Kurukshetra | Haryana | Bhaur Saidan | 9713775775 | 2699 | 1165670 | NULL | NULL | NULL | NULL | NULL | NULL | NULL | NULL | NULL |

+-------+-----------------------------------------+-------------+--------------+------------+-------------------+-------------------+-------+-------+---------+--------------+------------+--------+---------+------------+--------------+

12 rows in set (0.00 sec)

**mysql> #SAME NAME DIFFERENT DATA TYPE**

**mysql> SELECT \* FROM NewZoo LEFT JOIN Emp1 ON NewZoo.ZooID = Emp1.ZooId;**

+-------+-----------------------------------------+-------------+--------------+------------+-------------------+-------------------+-------+-------+---------+--------------+------------+--------+---------+------------+--------------+

| ZooID | ZooName | State | City | Contact\_No | Animal\_Population | Visitors\_per\_Year | ZooID | EmpID | EmpName | Designation | Hire\_Date | Salary | Status | DaysWorked | MonthsWorked |

+-------+-----------------------------------------+-------------+--------------+------------+-------------------+-------------------+-------+-------+---------+--------------+------------+--------+---------+------------+--------------+

| 1 | Alipore Zoological Gardens | West Bengal | Kolkata | 3324791150 | 1266 | 3000000 | 1 | 1001 | Alex | Veterinarian | 2020-04-01 | 85000 | On Duty | 524 | 17 |

| 2 | Amirthi Zoological Park | Tamil Nadu | Vellore | 9789323326 | 174 | 131619 | 2 | 3242 | Aiden | Zookeeper | 2011-10-13 | 25000 | On Duty | 3617 | 119 |

| 3 | Arignar Anna Zoological Park | Tamil Nadu | Chennai | 4422751089 | 2644 | 2040000 | 3 | 4387 | Ron | Aquarist | 2010-10-14 | 130000 | On Duty | 3981 | NULL |

| 4 | Assam State Zoo-cum-Botanical Garden | Assam | Guwahati | 7002716702 | 895 | 450000 | NULL | NULL | NULL | NULL | NULL | NULL | NULL | NULL | NULL |

| 5 | Bannerghatta National Park | Karnataka | Bengaluru | 8029776466 | 1300 | 1616130 | NULL | NULL | NULL | NULL | NULL | NULL | NULL | NULL | NULL |

| 7 | Birsa Deer Park | Jharkhand | Ranchi | 6512480948 | 1450 | 800000 | NULL | NULL | NULL | NULL | NULL | NULL | NULL | NULL | NULL |

| 8 | Bondla Wildlife Sanctuary | Goa | Ponda | 8923561278 | 3213 | 100000 | NULL | NULL | NULL | NULL | NULL | NULL | NULL | NULL | NULL |

| 9 | Pipli Mini Zoo | Haryana | Pipli | 4677569871 | 345 | 25000 | NULL | NULL | NULL | NULL | NULL | NULL | NULL | NULL | NULL |

| 10 | Chhatbir Zoo | Punjab | Zirakpur | 5312674284 | 1432 | 125000 | NULL | NULL | NULL | NULL | NULL | NULL | NULL | NULL | NULL |

| 11 | Chennai Snake Park Trust | Tamil Nadu | Chennai | 8877598493 | 888 | 975764 | NULL | NULL | NULL | NULL | NULL | NULL | NULL | NULL | NULL |

| 12 | Chinkara Breeding Centre Kairu, Bhiwani | Haryana | Bahal | 7318696946 | 2873 | 1318592 | NULL | NULL | NULL | NULL | NULL | NULL | NULL | NULL | NULL |

| 13 | Crocodile Breeding Centre, Kurukshetra | Haryana | Bhaur Saidan | 9713775775 | 2699 | 1165670 | NULL | NULL | NULL | NULL | NULL | NULL | NULL | NULL | NULL |

+-------+-----------------------------------------+-------------+--------------+------------+-------------------+-------------------+-------+-------+---------+--------------+------------+--------+---------+------------+--------------+

12 rows in set (0.00 sec)

**mysql> #DIFFERENT NAME SAME DATA TYPE**

**mysql> SELECT \* FROM NewZoo LEFT JOIN Visit ON NewZoo.ZooID = Visit.Id;**

+-------+-----------------------------------------+-------------+--------------+------------+-------------------+-------------------+------+----------+-------------+------------+-----------+----------+-----------+

| ZooID | ZooName | State | City | Contact\_No | Animal\_Population | Visitors\_per\_Year | ID | TicketNo | VisitorName | VisitDate | EntryTime | ExitTime | TimeSpent |

+-------+-----------------------------------------+-------------+--------------+------------+-------------------+-------------------+------+----------+-------------+------------+-----------+----------+-----------+

| 1 | Alipore Zoological Gardens | West Bengal | Kolkata | 3324791150 | 1266 | 3000000 | 1 | 1001 | Chris | 2006-05-10 | 10:00:17 | 15:14:43 | 05:14:26 |

| 2 | Amirthi Zoological Park | Tamil Nadu | Vellore | 9789323326 | 174 | 131619 | 2 | 1005 | Cami | 2006-07-23 | 10:10:17 | 14:29:43 | 04:19:26 |

| 3 | Arignar Anna Zoological Park | Tamil Nadu | Chennai | 4422751089 | 2644 | 2040000 | 3 | 1006 | Janet | 2021-08-15 | 02:41:50 | 16:29:43 | 13:47:53 |

| 4 | Assam State Zoo-cum-Botanical Garden | Assam | Guwahati | 7002716702 | 895 | 450000 | 4 | 1007 | Zayn | 2021-08-15 | 09:53:17 | 17:28:29 | 07:35:12 |

| 5 | Bannerghatta National Park | Karnataka | Bengaluru | 8029776466 | 1300 | 1616130 | NULL | NULL | NULL | NULL | NULL | NULL | NULL |

| 7 | Birsa Deer Park | Jharkhand | Ranchi | 6512480948 | 1450 | 800000 | NULL | NULL | NULL | NULL | NULL | NULL | NULL |

| 8 | Bondla Wildlife Sanctuary | Goa | Ponda | 8923561278 | 3213 | 100000 | NULL | NULL | NULL | NULL | NULL | NULL | NULL |

| 9 | Pipli Mini Zoo | Haryana | Pipli | 4677569871 | 345 | 25000 | NULL | NULL | NULL | NULL | NULL | NULL | NULL |

| 10 | Chhatbir Zoo | Punjab | Zirakpur | 5312674284 | 1432 | 125000 | NULL | NULL | NULL | NULL | NULL | NULL | NULL |

| 11 | Chennai Snake Park Trust | Tamil Nadu | Chennai | 8877598493 | 888 | 975764 | NULL | NULL | NULL | NULL | NULL | NULL | NULL |

| 12 | Chinkara Breeding Centre Kairu, Bhiwani | Haryana | Bahal | 7318696946 | 2873 | 1318592 | NULL | NULL | NULL | NULL | NULL | NULL | NULL |

| 13 | Crocodile Breeding Centre, Kurukshetra | Haryana | Bhaur Saidan | 9713775775 | 2699 | 1165670 | NULL | NULL | NULL | NULL | NULL | NULL | NULL |

+-------+-----------------------------------------+-------------+--------------+------------+-------------------+-------------------+------+----------+-------------+------------+-----------+----------+-----------+

12 rows in set (0.00 sec)

**mysql> #DIFFERENT NAME DIFFERENT DATA TYPE**

**mysql> SELECT \* FROM NewZoo LEFT JOIN Food ON NewZoo.ZooID = Food.Id;**

+-------+-----------------------------------------+-------------+--------------+------------+-------------------+-------------------+------+----------+-----------+-----------+

| ZooID | ZooName | State | City | Contact\_No | Animal\_Population | Visitors\_per\_Year | ID | Genus | Species | Food\_type |

+-------+-----------------------------------------+-------------+--------------+------------+-------------------+-------------------+------+----------+-----------+-----------+

| 1 | Alipore Zoological Gardens | West Bengal | Kolkata | 3324791150 | 1266 | 3000000 | 1 | Panthera | leo | Carnivore |

| 2 | Amirthi Zoological Park | Tamil Nadu | Vellore | 9789323326 | 174 | 131619 | 2 | Pan | trolodyte | Omnivore |

| 3 | Arignar Anna Zoological Park | Tamil Nadu | Chennai | 4422751089 | 2644 | 2040000 | 3 | Ursus | arctos | Omnivore |

| 4 | Assam State Zoo-cum-Botanical Garden | Assam | Guwahati | 7002716702 | 895 | 450000 | 4 | Canis | lupus | Carnivore |

| 5 | Bannerghatta National Park | Karnataka | Bengaluru | 8029776466 | 1300 | 1616130 | NULL | NULL | NULL | NULL |

| 7 | Birsa Deer Park | Jharkhand | Ranchi | 6512480948 | 1450 | 800000 | NULL | NULL | NULL | NULL |

| 8 | Bondla Wildlife Sanctuary | Goa | Ponda | 8923561278 | 3213 | 100000 | NULL | NULL | NULL | NULL |

| 9 | Pipli Mini Zoo | Haryana | Pipli | 4677569871 | 345 | 25000 | NULL | NULL | NULL | NULL |

| 10 | Chhatbir Zoo | Punjab | Zirakpur | 5312674284 | 1432 | 125000 | NULL | NULL | NULL | NULL |

| 11 | Chennai Snake Park Trust | Tamil Nadu | Chennai | 8877598493 | 888 | 975764 | NULL | NULL | NULL | NULL |

| 12 | Chinkara Breeding Centre Kairu, Bhiwani | Haryana | Bahal | 7318696946 | 2873 | 1318592 | NULL | NULL | NULL | NULL |

| 13 | Crocodile Breeding Centre, Kurukshetra | Haryana | Bhaur Saidan | 9713775775 | 2699 | 1165670 | NULL | NULL | NULL | NULL |

+-------+-----------------------------------------+-------------+--------------+------------+-------------------+-------------------+------+----------+-----------+-----------+

12 rows in set (0.00 sec)

**mysql> #RIGHT OUTER JOIN**

**mysql> #SAME NAME SAME DATA TYPE**

**mysql> SELECT \* FROM NewZoo RIGHT JOIN Emp ON NewZoo.ZooID = Emp.ZooId;**

+-------+------------------------------+-------------+---------+------------+-------------------+-------------------+-------+-------+---------+------------------------+------------+--------+---------+------------+--------------+

| ZooID | ZooName | State | City | Contact\_No | Animal\_Population | Visitors\_per\_Year | ZooId | EmpID | EmpName | Designation | Hire\_Date | Salary | Status | DaysWorked | MonthsWorked |

+-------+------------------------------+-------------+---------+------------+-------------------+-------------------+-------+-------+---------+------------------------+------------+--------+---------+------------+--------------+

| 1 | Alipore Zoological Gardens | West Bengal | Kolkata | 3324791150 | 1266 | 3000000 | 1 | 1001 | Alex | Veterinarian | 2020-04-01 | 85000 | On Duty | 524 | 17 |

| 2 | Amirthi Zoological Park | Tamil Nadu | Vellore | 9789323326 | 174 | 131619 | 2 | 3242 | Aiden | Zookeeper | 2011-10-13 | 25000 | On Duty | 3617 | 119 |

| 3 | Arignar Anna Zoological Park | Tamil Nadu | Chennai | 4422751089 | 2644 | 2040000 | 3 | 4387 | Ron | Aquarist | 2010-10-14 | 130000 | On Duty | 3981 | NULL |

| NULL | NULL | NULL | NULL | NULL | NULL | NULL | 20 | 1111 | Belle | Development Director | 2010-07-01 | 80000 | On Duty | 4100 | NULL |

| NULL | NULL | NULL | NULL | NULL | NULL | NULL | 21 | 2222 | Cane | Finance Manager | 2010-07-01 | 40000 | On Duty | 4100 | NULL |

| NULL | NULL | NULL | NULL | NULL | NULL | NULL | 22 | 3333 | Amanda | Conservation Biologist | 2010-07-01 | 100000 | On Duty | 4100 | NULL |

+-------+------------------------------+-------------+---------+------------+-------------------+-------------------+-------+-------+---------+------------------------+------------+--------+---------+------------+--------------+

6 rows in set (0.00 sec)

**mysql> #SAME NAME DIFFERENT DATA TYPE**

**mysql> SELECT \* FROM NewZoo RIGHT JOIN Emp1 ON NewZoo.ZooID = Emp1.ZooId;**

+-------+------------------------------+-------------+---------+------------+-------------------+-------------------+-------+-------+---------+------------------------+------------+--------+---------+------------+--------------+

| ZooID | ZooName | State | City | Contact\_No | Animal\_Population | Visitors\_per\_Year | ZooID | EmpID | EmpName | Designation | Hire\_Date | Salary | Status | DaysWorked | MonthsWorked |

+-------+------------------------------+-------------+---------+------------+-------------------+-------------------+-------+-------+---------+------------------------+------------+--------+---------+------------+--------------+

| 1 | Alipore Zoological Gardens | West Bengal | Kolkata | 3324791150 | 1266 | 3000000 | 1 | 1001 | Alex | Veterinarian | 2020-04-01 | 85000 | On Duty | 524 | 17 |

| 2 | Amirthi Zoological Park | Tamil Nadu | Vellore | 9789323326 | 174 | 131619 | 2 | 3242 | Aiden | Zookeeper | 2011-10-13 | 25000 | On Duty | 3617 | 119 |

| 3 | Arignar Anna Zoological Park | Tamil Nadu | Chennai | 4422751089 | 2644 | 2040000 | 3 | 4387 | Ron | Aquarist | 2010-10-14 | 130000 | On Duty | 3981 | NULL |

| NULL | NULL | NULL | NULL | NULL | NULL | NULL | 20 | 1111 | Belle | Development Director | 2010-07-01 | 80000 | On Duty | 4100 | NULL |

| NULL | NULL | NULL | NULL | NULL | NULL | NULL | 21 | 2222 | Cane | Finance Manager | 2010-07-01 | 40000 | On Duty | 4100 | NULL |

| NULL | NULL | NULL | NULL | NULL | NULL | NULL | 22 | 3333 | Amanda | Conservation Biologist | 2010-07-01 | 100000 | On Duty | 4100 | NULL |

+-------+------------------------------+-------------+---------+------------+-------------------+-------------------+-------+-------+---------+------------------------+------------+--------+---------+------------+--------------+

6 rows in set (0.00 sec)

**mysql> #DIFFERENT NAME SAME DATA TYPE**

**mysql> SELECT \* FROM NewZoo RIGHT JOIN Visit ON NewZoo.ZooID = Visit.Id;**

+-------+--------------------------------------+-------------+----------+------------+-------------------+-------------------+------+----------+-------------+------------+-----------+----------+-----------+

| ZooID | ZooName | State | City | Contact\_No | Animal\_Population | Visitors\_per\_Year | ID | TicketNo | VisitorName | VisitDate | EntryTime | ExitTime | TimeSpent |

+-------+--------------------------------------+-------------+----------+------------+-------------------+-------------------+------+----------+-------------+------------+-----------+----------+-----------+

| 1 | Alipore Zoological Gardens | West Bengal | Kolkata | 3324791150 | 1266 | 3000000 | 1 | 1001 | Chris | 2006-05-10 | 10:00:17 | 15:14:43 | 05:14:26 |

| 2 | Amirthi Zoological Park | Tamil Nadu | Vellore | 9789323326 | 174 | 131619 | 2 | 1005 | Cami | 2006-07-23 | 10:10:17 | 14:29:43 | 04:19:26 |

| 3 | Arignar Anna Zoological Park | Tamil Nadu | Chennai | 4422751089 | 2644 | 2040000 | 3 | 1006 | Janet | 2021-08-15 | 02:41:50 | 16:29:43 | 13:47:53 |

| 4 | Assam State Zoo-cum-Botanical Garden | Assam | Guwahati | 7002716702 | 895 | 450000 | 4 | 1007 | Zayn | 2021-08-15 | 09:53:17 | 17:28:29 | 07:35:12 |

| NULL | NULL | NULL | NULL | NULL | NULL | NULL | 20 | 1008 | Diana | 2010-10-14 | 09:00:00 | 18:00:00 | 09:00:00 |

| NULL | NULL | NULL | NULL | NULL | NULL | NULL | 21 | 1009 | Harley | 2010-10-14 | 09:00:00 | 18:00:00 | 09:00:00 |

| NULL | NULL | NULL | NULL | NULL | NULL | NULL | 22 | 1010 | Jake | 2010-10-14 | 09:00:00 | 18:00:00 | 09:00:00 |

| NULL | NULL | NULL | NULL | NULL | NULL | NULL | 23 | 1011 | Marisha | 2010-10-14 | 09:00:00 | 18:00:00 | 09:00:00 |

+-------+--------------------------------------+-------------+----------+------------+-------------------+-------------------+------+----------+-------------+------------+-----------+----------+-----------+

8 rows in set (0.00 sec)

**mysql> #DIFFERENT NAME DIFFERENT DATA TYPE**

**mysql> SELECT \* FROM NewZoo RIGHT JOIN Food ON NewZoo.ZooID = Food.Id;**

+-------+--------------------------------------+-------------+----------+------------+-------------------+-------------------+------+----------+-----------+-----------+

| ZooID | ZooName | State | City | Contact\_No | Animal\_Population | Visitors\_per\_Year | ID | Genus | Species | Food\_type |

+-------+--------------------------------------+-------------+----------+------------+-------------------+-------------------+------+----------+-----------+-----------+

| NULL | NULL | NULL | NULL | NULL | NULL | NULL | 15 | Equus | quagga | Herbivore |

| NULL | NULL | NULL | NULL | NULL | NULL | NULL | 16 | Equus | quagga | Herbivore |

| NULL | NULL | NULL | NULL | NULL | NULL | NULL | 17 | Equus | quagga | Herbivore |

| 1 | Alipore Zoological Gardens | West Bengal | Kolkata | 3324791150 | 1266 | 3000000 | 1 | Panthera | leo | Carnivore |

| 2 | Amirthi Zoological Park | Tamil Nadu | Vellore | 9789323326 | 174 | 131619 | 2 | Pan | trolodyte | Omnivore |

| 3 | Arignar Anna Zoological Park | Tamil Nadu | Chennai | 4422751089 | 2644 | 2040000 | 3 | Ursus | arctos | Omnivore |

| 4 | Assam State Zoo-cum-Botanical Garden | Assam | Guwahati | 7002716702 | 895 | 450000 | 4 | Canis | lupus | Carnivore |

+-------+--------------------------------------+-------------+----------+------------+-------------------+-------------------+------+----------+-----------+-----------+

7 rows in set (0.00 sec)

**mysql> #FULL OUTER JOIN**

**mysql> #SAME NAME SAME DATA TYPE**

**mysql> SELECT \* FROM NewZoo LEFT JOIN Emp ON NewZoo.ZooID = Emp.ZooId UNION SELECT \* FROM NewZoo RIGHT JOIN Emp ON NewZoo.ZooID = Emp.ZooId;**

+-------+-----------------------------------------+-------------+--------------+------------+-------------------+-------------------+-------+-------+---------+------------------------+------------+--------+---------+------------+--------------+

| ZooID | ZooName | State | City | Contact\_No | Animal\_Population | Visitors\_per\_Year | ZooId | EmpID | EmpName | Designation | Hire\_Date | Salary | Status | DaysWorked | MonthsWorked |

+-------+-----------------------------------------+-------------+--------------+------------+-------------------+-------------------+-------+-------+---------+------------------------+------------+--------+---------+------------+--------------+

| 1 | Alipore Zoological Gardens | West Bengal | Kolkata | 3324791150 | 1266 | 3000000 | 1 | 1001 | Alex | Veterinarian | 2020-04-01 | 85000 | On Duty | 524 | 17 |

| 2 | Amirthi Zoological Park | Tamil Nadu | Vellore | 9789323326 | 174 | 131619 | 2 | 3242 | Aiden | Zookeeper | 2011-10-13 | 25000 | On Duty | 3617 | 119 |

| 3 | Arignar Anna Zoological Park | Tamil Nadu | Chennai | 4422751089 | 2644 | 2040000 | 3 | 4387 | Ron | Aquarist | 2010-10-14 | 130000 | On Duty | 3981 | NULL |

| 4 | Assam State Zoo-cum-Botanical Garden | Assam | Guwahati | 7002716702 | 895 | 450000 | NULL | NULL | NULL | NULL | NULL | NULL | NULL | NULL | NULL |

| 5 | Bannerghatta National Park | Karnataka | Bengaluru | 8029776466 | 1300 | 1616130 | NULL | NULL | NULL | NULL | NULL | NULL | NULL | NULL | NULL |

| 7 | Birsa Deer Park | Jharkhand | Ranchi | 6512480948 | 1450 | 800000 | NULL | NULL | NULL | NULL | NULL | NULL | NULL | NULL | NULL |

| 8 | Bondla Wildlife Sanctuary | Goa | Ponda | 8923561278 | 3213 | 100000 | NULL | NULL | NULL | NULL | NULL | NULL | NULL | NULL | NULL |

| 9 | Pipli Mini Zoo | Haryana | Pipli | 4677569871 | 345 | 25000 | NULL | NULL | NULL | NULL | NULL | NULL | NULL | NULL | NULL |

| 10 | Chhatbir Zoo | Punjab | Zirakpur | 5312674284 | 1432 | 125000 | NULL | NULL | NULL | NULL | NULL | NULL | NULL | NULL | NULL |

| 11 | Chennai Snake Park Trust | Tamil Nadu | Chennai | 8877598493 | 888 | 975764 | NULL | NULL | NULL | NULL | NULL | NULL | NULL | NULL | NULL |

| 12 | Chinkara Breeding Centre Kairu, Bhiwani | Haryana | Bahal | 7318696946 | 2873 | 1318592 | NULL | NULL | NULL | NULL | NULL | NULL | NULL | NULL | NULL |

| 13 | Crocodile Breeding Centre, Kurukshetra | Haryana | Bhaur Saidan | 9713775775 | 2699 | 1165670 | NULL | NULL | NULL | NULL | NULL | NULL | NULL | NULL | NULL |

| NULL | NULL | NULL | NULL | NULL | NULL | NULL | 20 | 1111 | Belle | Development Director | 2010-07-01 | 80000 | On Duty | 4100 | NULL |

| NULL | NULL | NULL | NULL | NULL | NULL | NULL | 21 | 2222 | Cane | Finance Manager | 2010-07-01 | 40000 | On Duty | 4100 | NULL |

| NULL | NULL | NULL | NULL | NULL | NULL | NULL | 22 | 3333 | Amanda | Conservation Biologist | 2010-07-01 | 100000 | On Duty | 4100 | NULL |

+-------+-----------------------------------------+-------------+--------------+------------+-------------------+-------------------+-------+-------+---------+------------------------+------------+--------+---------+------------+--------------+

15 rows in set (0.04 sec)

**mysql> #SAME NAME DIFFERENT DATA TYPE**

**mysql> SELECT \* FROM NewZoo LEFT JOIN Emp1 ON NewZoo.ZooID = Emp1.ZooId UNION SELECT \* FROM NewZoo RIGHT JOIN Emp1 ON NewZoo.ZooID = Emp1.ZooId;**

+-------+-----------------------------------------+-------------+--------------+------------+-------------------+-------------------+-------+-------+---------+------------------------+------------+--------+---------+------------+--------------+

| ZooID | ZooName | State | City | Contact\_No | Animal\_Population | Visitors\_per\_Year | ZooID | EmpID | EmpName | Designation | Hire\_Date | Salary | Status | DaysWorked | MonthsWorked |

+-------+-----------------------------------------+-------------+--------------+------------+-------------------+-------------------+-------+-------+---------+------------------------+------------+--------+---------+------------+--------------+

| 1 | Alipore Zoological Gardens | West Bengal | Kolkata | 3324791150 | 1266 | 3000000 | 1 | 1001 | Alex | Veterinarian | 2020-04-01 | 85000 | On Duty | 524 | 17 |

| 2 | Amirthi Zoological Park | Tamil Nadu | Vellore | 9789323326 | 174 | 131619 | 2 | 3242 | Aiden | Zookeeper | 2011-10-13 | 25000 | On Duty | 3617 | 119 |

| 3 | Arignar Anna Zoological Park | Tamil Nadu | Chennai | 4422751089 | 2644 | 2040000 | 3 | 4387 | Ron | Aquarist | 2010-10-14 | 130000 | On Duty | 3981 | NULL |

| 4 | Assam State Zoo-cum-Botanical Garden | Assam | Guwahati | 7002716702 | 895 | 450000 | NULL | NULL | NULL | NULL | NULL | NULL | NULL | NULL | NULL |

| 5 | Bannerghatta National Park | Karnataka | Bengaluru | 8029776466 | 1300 | 1616130 | NULL | NULL | NULL | NULL | NULL | NULL | NULL | NULL | NULL |

| 7 | Birsa Deer Park | Jharkhand | Ranchi | 6512480948 | 1450 | 800000 | NULL | NULL | NULL | NULL | NULL | NULL | NULL | NULL | NULL |

| 8 | Bondla Wildlife Sanctuary | Goa | Ponda | 8923561278 | 3213 | 100000 | NULL | NULL | NULL | NULL | NULL | NULL | NULL | NULL | NULL |

| 9 | Pipli Mini Zoo | Haryana | Pipli | 4677569871 | 345 | 25000 | NULL | NULL | NULL | NULL | NULL | NULL | NULL | NULL | NULL |

| 10 | Chhatbir Zoo | Punjab | Zirakpur | 5312674284 | 1432 | 125000 | NULL | NULL | NULL | NULL | NULL | NULL | NULL | NULL | NULL |

| 11 | Chennai Snake Park Trust | Tamil Nadu | Chennai | 8877598493 | 888 | 975764 | NULL | NULL | NULL | NULL | NULL | NULL | NULL | NULL | NULL |

| 12 | Chinkara Breeding Centre Kairu, Bhiwani | Haryana | Bahal | 7318696946 | 2873 | 1318592 | NULL | NULL | NULL | NULL | NULL | NULL | NULL | NULL | NULL |

| 13 | Crocodile Breeding Centre, Kurukshetra | Haryana | Bhaur Saidan | 9713775775 | 2699 | 1165670 | NULL | NULL | NULL | NULL | NULL | NULL | NULL | NULL | NULL |

| NULL | NULL | NULL | NULL | NULL | NULL | NULL | 20 | 1111 | Belle | Development Director | 2010-07-01 | 80000 | On Duty | 4100 | NULL |

| NULL | NULL | NULL | NULL | NULL | NULL | NULL | 21 | 2222 | Cane | Finance Manager | 2010-07-01 | 40000 | On Duty | 4100 | NULL |

| NULL | NULL | NULL | NULL | NULL | NULL | NULL | 22 | 3333 | Amanda | Conservation Biologist | 2010-07-01 | 100000 | On Duty | 4100 | NULL |

+-------+-----------------------------------------+-------------+--------------+------------+-------------------+-------------------+-------+-------+---------+------------------------+------------+--------+---------+------------+--------------+

15 rows in set (0.00 sec)

**mysql> #DIFFERENT NAME SAME DATA TYPE**

**mysql> SELECT \* FROM NewZoo LEFT JOIN Visit ON NewZoo.ZooID = Visit.Id UNION SELECT \* FROM NewZoo RIGHT JOIN Visit ON NewZoo.ZooID = Visit.Id;**

+-------+-----------------------------------------+-------------+--------------+------------+-------------------+-------------------+------+----------+-------------+------------+-----------+----------+-----------+

| ZooID | ZooName | State | City | Contact\_No | Animal\_Population | Visitors\_per\_Year | ID | TicketNo | VisitorName | VisitDate | EntryTime | ExitTime | TimeSpent |

+-------+-----------------------------------------+-------------+--------------+------------+-------------------+-------------------+------+----------+-------------+------------+-----------+----------+-----------+

| 1 | Alipore Zoological Gardens | West Bengal | Kolkata | 3324791150 | 1266 | 3000000 | 1 | 1001 | Chris | 2006-05-10 | 10:00:17 | 15:14:43 | 05:14:26 |

| 2 | Amirthi Zoological Park | Tamil Nadu | Vellore | 9789323326 | 174 | 131619 | 2 | 1005 | Cami | 2006-07-23 | 10:10:17 | 14:29:43 | 04:19:26 |

| 3 | Arignar Anna Zoological Park | Tamil Nadu | Chennai | 4422751089 | 2644 | 2040000 | 3 | 1006 | Janet | 2021-08-15 | 02:41:50 | 16:29:43 | 13:47:53 |

| 4 | Assam State Zoo-cum-Botanical Garden | Assam | Guwahati | 7002716702 | 895 | 450000 | 4 | 1007 | Zayn | 2021-08-15 | 09:53:17 | 17:28:29 | 07:35:12 |

| 5 | Bannerghatta National Park | Karnataka | Bengaluru | 8029776466 | 1300 | 1616130 | NULL | NULL | NULL | NULL | NULL | NULL | NULL |

| 7 | Birsa Deer Park | Jharkhand | Ranchi | 6512480948 | 1450 | 800000 | NULL | NULL | NULL | NULL | NULL | NULL | NULL |

| 8 | Bondla Wildlife Sanctuary | Goa | Ponda | 8923561278 | 3213 | 100000 | NULL | NULL | NULL | NULL | NULL | NULL | NULL |

| 9 | Pipli Mini Zoo | Haryana | Pipli | 4677569871 | 345 | 25000 | NULL | NULL | NULL | NULL | NULL | NULL | NULL |

| 10 | Chhatbir Zoo | Punjab | Zirakpur | 5312674284 | 1432 | 125000 | NULL | NULL | NULL | NULL | NULL | NULL | NULL |

| 11 | Chennai Snake Park Trust | Tamil Nadu | Chennai | 8877598493 | 888 | 975764 | NULL | NULL | NULL | NULL | NULL | NULL | NULL |

| 12 | Chinkara Breeding Centre Kairu, Bhiwani | Haryana | Bahal | 7318696946 | 2873 | 1318592 | NULL | NULL | NULL | NULL | NULL | NULL | NULL |

| 13 | Crocodile Breeding Centre, Kurukshetra | Haryana | Bhaur Saidan | 9713775775 | 2699 | 1165670 | NULL | NULL | NULL | NULL | NULL | NULL | NULL |

| NULL | NULL | NULL | NULL | NULL | NULL | NULL | 20 | 1008 | Diana | 2010-10-14 | 09:00:00 | 18:00:00 | 09:00:00 |

| NULL | NULL | NULL | NULL | NULL | NULL | NULL | 21 | 1009 | Harley | 2010-10-14 | 09:00:00 | 18:00:00 | 09:00:00 |

| NULL | NULL | NULL | NULL | NULL | NULL | NULL | 22 | 1010 | Jake | 2010-10-14 | 09:00:00 | 18:00:00 | 09:00:00 |

| NULL | NULL | NULL | NULL | NULL | NULL | NULL | 23 | 1011 | Marisha | 2010-10-14 | 09:00:00 | 18:00:00 | 09:00:00 |

+-------+-----------------------------------------+-------------+--------------+------------+-------------------+-------------------+------+----------+-------------+------------+-----------+----------+-----------+

16 rows in set (0.00 sec)

**mysql> #DIFFERENT NAME DIFFERENT DATA TYPE**

**mysql> SELECT \* FROM NewZoo LEFT JOIN Food ON NewZoo.ZooID = Food.Id UNION SELECT \* FROM NewZoo RIGHT JOIN Food ON NewZoo.ZooID = Food.Id;**

+-------+-----------------------------------------+-------------+--------------+------------+-------------------+-------------------+------+----------+-----------+-----------+

| ZooID | ZooName | State | City | Contact\_No | Animal\_Population | Visitors\_per\_Year | ID | Genus | Species | Food\_type |

+-------+-----------------------------------------+-------------+--------------+------------+-------------------+-------------------+------+----------+-----------+-----------+

| 1 | Alipore Zoological Gardens | West Bengal | Kolkata | 3324791150 | 1266 | 3000000 | 1 | Panthera | leo | Carnivore |

| 2 | Amirthi Zoological Park | Tamil Nadu | Vellore | 9789323326 | 174 | 131619 | 2 | Pan | trolodyte | Omnivore |

| 3 | Arignar Anna Zoological Park | Tamil Nadu | Chennai | 4422751089 | 2644 | 2040000 | 3 | Ursus | arctos | Omnivore |

| 4 | Assam State Zoo-cum-Botanical Garden | Assam | Guwahati | 7002716702 | 895 | 450000 | 4 | Canis | lupus | Carnivore |

| 5 | Bannerghatta National Park | Karnataka | Bengaluru | 8029776466 | 1300 | 1616130 | NULL | NULL | NULL | NULL |

| 7 | Birsa Deer Park | Jharkhand | Ranchi | 6512480948 | 1450 | 800000 | NULL | NULL | NULL | NULL |

| 8 | Bondla Wildlife Sanctuary | Goa | Ponda | 8923561278 | 3213 | 100000 | NULL | NULL | NULL | NULL |

| 9 | Pipli Mini Zoo | Haryana | Pipli | 4677569871 | 345 | 25000 | NULL | NULL | NULL | NULL |

| 10 | Chhatbir Zoo | Punjab | Zirakpur | 5312674284 | 1432 | 125000 | NULL | NULL | NULL | NULL |

| 11 | Chennai Snake Park Trust | Tamil Nadu | Chennai | 8877598493 | 888 | 975764 | NULL | NULL | NULL | NULL |

| 12 | Chinkara Breeding Centre Kairu, Bhiwani | Haryana | Bahal | 7318696946 | 2873 | 1318592 | NULL | NULL | NULL | NULL |

| 13 | Crocodile Breeding Centre, Kurukshetra | Haryana | Bhaur Saidan | 9713775775 | 2699 | 1165670 | NULL | NULL | NULL | NULL |

| NULL | NULL | NULL | NULL | NULL | NULL | NULL | 15 | Equus | quagga | Herbivore |

| NULL | NULL | NULL | NULL | NULL | NULL | NULL | 16 | Equus | quagga | Herbivore |

| NULL | NULL | NULL | NULL | NULL | NULL | NULL | 17 | Equus | quagga | Herbivore |

+-------+-----------------------------------------+-------------+--------------+------------+-------------------+-------------------+------+----------+-----------+-----------+

15 rows in set (0.00 sec)

**mysql> #SELF JOIN**

**mysql> SELECT e1.EmpId, e2.Designation FROM EMP e1, EMP e2;**

+-------+------------------------+

| EmpId | Designation |

+-------+------------------------+

| 3333 | Veterinarian |

| 2222 | Veterinarian |

| 1111 | Veterinarian |

| 4387 | Veterinarian |

| 3242 | Veterinarian |

| 1001 | Veterinarian |

| 3333 | Zookeeper |

| 2222 | Zookeeper |

| 1111 | Zookeeper |

| 4387 | Zookeeper |

| 3242 | Zookeeper |

| 1001 | Zookeeper |

| 3333 | Aquarist |

| 2222 | Aquarist |

| 1111 | Aquarist |

| 4387 | Aquarist |

| 3242 | Aquarist |

| 1001 | Aquarist |

| 3333 | Development Director |

| 2222 | Development Director |

| 1111 | Development Director |

| 4387 | Development Director |

| 3242 | Development Director |

| 1001 | Development Director |

| 3333 | Finance Manager |

| 2222 | Finance Manager |

| 1111 | Finance Manager |

| 4387 | Finance Manager |

| 3242 | Finance Manager |

| 1001 | Finance Manager |

| 3333 | Conservation Biologist |

| 2222 | Conservation Biologist |

| 1111 | Conservation Biologist |

| 4387 | Conservation Biologist |

| 3242 | Conservation Biologist |

| 1001 | Conservation Biologist |

+-------+------------------------+

36 rows in set (0.00 sec)

**mysql> SELECT e1.EmpId, e2.Designation FROM EMP e1, EMP e2 WHERE e1.EmpID=e2.EmpID;**

+-------+------------------------+

| EmpId | Designation |

+-------+------------------------+

| 1001 | Veterinarian |

| 3242 | Zookeeper |

| 4387 | Aquarist |

| 1111 | Development Director |

| 2222 | Finance Manager |

| 3333 | Conservation Biologist |

+-------+------------------------+

6 rows in set (0.00 sec)

**mysql> #USING INNER JOIN**

**mysql> SELECT a.State,a.ZooName AS Zoo1,b.ZooName AS Zoo2**

**-> FROM NewZoo a INNER JOIN NewZoo b**

**-> ON a.ZooName = b.ZooName;**

+-------------+-----------------------------------------+-----------------------------------------+

| State | Zoo1 | Zoo2 |

+-------------+-----------------------------------------+-----------------------------------------+

| West Bengal | Alipore Zoological Gardens | Alipore Zoological Gardens |

| Tamil Nadu | Amirthi Zoological Park | Amirthi Zoological Park |

| Tamil Nadu | Arignar Anna Zoological Park | Arignar Anna Zoological Park |

| Assam | Assam State Zoo-cum-Botanical Garden | Assam State Zoo-cum-Botanical Garden |

| Karnataka | Bannerghatta National Park | Bannerghatta National Park |

| Jharkhand | Birsa Deer Park | Birsa Deer Park |

| Goa | Bondla Wildlife Sanctuary | Bondla Wildlife Sanctuary |

| Haryana | Pipli Mini Zoo | Pipli Mini Zoo |

| Punjab | Chhatbir Zoo | Chhatbir Zoo |

| Tamil Nadu | Chennai Snake Park Trust | Chennai Snake Park Trust |

| Haryana | Chinkara Breeding Centre Kairu, Bhiwani | Chinkara Breeding Centre Kairu, Bhiwani |

| Haryana | Crocodile Breeding Centre, Kurukshetra | Crocodile Breeding Centre, Kurukshetra |

+-------------+-----------------------------------------+-----------------------------------------+

12 rows in set (0.00 sec)

**mysql> #USING LEFT JOIN**

**mysql> SELECT a.State,a.ZooName AS Zoo1,b.ZooName AS Zoo2**

**-> FROM NewZoo a LEFT JOIN NewZoo b**

**-> ON a.ZooName = b.ZooName;**

+-------------+-----------------------------------------+-----------------------------------------+

| State | Zoo1 | Zoo2 |

+-------------+-----------------------------------------+-----------------------------------------+

| West Bengal | Alipore Zoological Gardens | Alipore Zoological Gardens |

| Tamil Nadu | Amirthi Zoological Park | Amirthi Zoological Park |

| Tamil Nadu | Arignar Anna Zoological Park | Arignar Anna Zoological Park |

| Assam | Assam State Zoo-cum-Botanical Garden | Assam State Zoo-cum-Botanical Garden |

| Karnataka | Bannerghatta National Park | Bannerghatta National Park |

| Jharkhand | Birsa Deer Park | Birsa Deer Park |

| Goa | Bondla Wildlife Sanctuary | Bondla Wildlife Sanctuary |

| Haryana | Pipli Mini Zoo | Pipli Mini Zoo |

| Punjab | Chhatbir Zoo | Chhatbir Zoo |

| Tamil Nadu | Chennai Snake Park Trust | Chennai Snake Park Trust |

| Haryana | Chinkara Breeding Centre Kairu, Bhiwani | Chinkara Breeding Centre Kairu, Bhiwani |

| Haryana | Crocodile Breeding Centre, Kurukshetra | Crocodile Breeding Centre, Kurukshetra |

+-------------+-----------------------------------------+-----------------------------------------+

12 rows in set (0.00 sec)

**mysql> #USING RIGHT JOIN**

**mysql> SELECT a.State,a.ZooName AS Zoo1,b.ZooName AS Zoo2**

**-> FROM NewZoo a RIGHT JOIN NewZoo b**

**-> ON a.ZooName = b.ZooName;**

+-------------+-----------------------------------------+-----------------------------------------+

| State | Zoo1 | Zoo2 |

+-------------+-----------------------------------------+-----------------------------------------+

| West Bengal | Alipore Zoological Gardens | Alipore Zoological Gardens |

| Tamil Nadu | Amirthi Zoological Park | Amirthi Zoological Park |

| Tamil Nadu | Arignar Anna Zoological Park | Arignar Anna Zoological Park |

| Assam | Assam State Zoo-cum-Botanical Garden | Assam State Zoo-cum-Botanical Garden |

| Karnataka | Bannerghatta National Park | Bannerghatta National Park |

| Jharkhand | Birsa Deer Park | Birsa Deer Park |

| Goa | Bondla Wildlife Sanctuary | Bondla Wildlife Sanctuary |

| Haryana | Pipli Mini Zoo | Pipli Mini Zoo |

| Punjab | Chhatbir Zoo | Chhatbir Zoo |

| Tamil Nadu | Chennai Snake Park Trust | Chennai Snake Park Trust |

| Haryana | Chinkara Breeding Centre Kairu, Bhiwani | Chinkara Breeding Centre Kairu, Bhiwani |

| Haryana | Crocodile Breeding Centre, Kurukshetra | Crocodile Breeding Centre, Kurukshetra |

+-------------+-----------------------------------------+-----------------------------------------+

12 rows in set (0.00 sec)

**mysql> #USING FULL OUTER JOIN**

**mysql> SELECT a.State,a.ZooName AS Zoo1,b.ZooName AS Zoo2**

**-> FROM NewZoo a LEFT JOIN NewZoo b**

**-> ON a.ZooName = b.ZooName**

**-> UNION**

**-> SELECT a.State,a.ZooName AS Zoo1,b.ZooName AS Zoo2**

**-> FROM NewZoo a RIGHT JOIN NewZoo b**

**-> ON a.ZooName = b.ZooName;**

+-------------+-----------------------------------------+-----------------------------------------+

| State | Zoo1 | Zoo2 |

+-------------+-----------------------------------------+-----------------------------------------+

| West Bengal | Alipore Zoological Gardens | Alipore Zoological Gardens |

| Tamil Nadu | Amirthi Zoological Park | Amirthi Zoological Park |

| Tamil Nadu | Arignar Anna Zoological Park | Arignar Anna Zoological Park |

| Assam | Assam State Zoo-cum-Botanical Garden | Assam State Zoo-cum-Botanical Garden |

| Karnataka | Bannerghatta National Park | Bannerghatta National Park |

| Jharkhand | Birsa Deer Park | Birsa Deer Park |

| Goa | Bondla Wildlife Sanctuary | Bondla Wildlife Sanctuary |

| Haryana | Pipli Mini Zoo | Pipli Mini Zoo |

| Punjab | Chhatbir Zoo | Chhatbir Zoo |

| Tamil Nadu | Chennai Snake Park Trust | Chennai Snake Park Trust |

| Haryana | Chinkara Breeding Centre Kairu, Bhiwani | Chinkara Breeding Centre Kairu, Bhiwani |

| Haryana | Crocodile Breeding Centre, Kurukshetra | Crocodile Breeding Centre, Kurukshetra |

+-------------+-----------------------------------------+-----------------------------------------+

12 rows in set (0.00 sec)

**mysql> NOTEE;**