mysql> show tables;

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

| Tables\_in\_zoo |

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

| emp |

| emp1 |

| employee |

| feed |

| food |

| newzoo |

| visit |

| visitors |

| zoo |

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

9 rows in set (0.00 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 |

| 3 | 9812 | Annie | Conservation Biologist | 2020-01-22 | 90000 | On Duty | 647 | 21 |

| 3 | 9814 | Gabriel | Finance Manager | 2012-03-31 | 45000 | On Duty | 3500 | 115 |

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

21 rows in set (0.00 sec)

**mysql> #TRANSACTION**

**mysql> START TRANSACTION**

**-> ;**

Query OK, 0 rows affected (0.00 sec)

**mysql> SAVEPOINT A;**

Query OK, 0 rows affected (0.00 sec)

**mysql> INSERT INTO EMPLOYEE VALUES**

-> (4,9901,'Shez','Zookeeper','2009-11-24',25000,'On Duty',DATEDIFF(CURDATE(),'2009-11-24'),PERIOD\_DIFF(202110,200911));

Query OK, 1 row affected (0.02 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 |

| 3 | 9812 | Annie | Conservation Biologist | 2020-01-22 | 90000 | On Duty | 647 | 21 |

| 3 | 9814 | Gabriel | Finance Manager | 2012-03-31 | 45000 | On Duty | 3500 | 115 |

| 4 | 9901 | Shez | Zookeeper | 2009-11-24 | 25000 | On Duty | 4358 | 143 |

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

23 rows in set (0.00 sec)

mysql> **INSERT INTO EMPLOYEE VALUES**

-> (4,9902,'Evan','Conservation Biologist','2009-11-24',25000,'On Duty',DATEDIFF(CURDATE(),'2009-11-24'),PERIOD\_DIFF(202110,200911));

Query OK, 1 row affected (0.02 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 |

| 3 | 9812 | Annie | Conservation Biologist | 2020-01-22 | 90000 | On Duty | 647 | 21 |

| 3 | 9814 | Gabriel | Finance Manager | 2012-03-31 | 45000 | On Duty | 3500 | 115 |

| 4 | 9901 | Shez | Zookeeper | 2009-11-24 | 25000 | On Duty | 4358 | 143 |

| 4 | 9902 | Evan | Conservation Biologist | 2009-11-24 | 25000 | On Duty | 4358 | 143 |

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

23 rows in set (0.00 sec)

**mysql> SAVEPOINT B;**

Query OK, 0 rows affected (0.00 sec)

**mysql> DELETE FROM EMPLOYEE WHERE EmpId = 9902;**

Query OK, 1 row affected (0.00 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 |

| 3 | 9812 | Annie | Conservation Biologist | 2020-01-22 | 90000 | On Duty | 647 | 21 |

| 3 | 9814 | Gabriel | Finance Manager | 2012-03-31 | 45000 | On Duty | 3500 | 115 |

| 4 | 9901 | Shez | Zookeeper | 2009-11-24 | 25000 | On Duty | 4358 | 143 |

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

22 rows in set (0.00 sec)

**mysql> ROLLBACK TO B;**

Query OK, 0 rows affected (0.00 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 |

| 3 | 9812 | Annie | Conservation Biologist | 2020-01-22 | 90000 | On Duty | 647 | 21 |

| 3 | 9814 | Gabriel | Finance Manager | 2012-03-31 | 45000 | On Duty | 3500 | 115 |

| 4 | 9901 | Shez | Zookeeper | 2009-11-24 | 25000 | On Duty | 4358 | 143 |

| 4 | 9902 | Evan | Conservation Biologist | 2009-11-24 | 25000 | On Duty | 4358 | 143 |

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

23 rows in set (0.00 sec)

**mysql> COMMIT;**

Query OK, 0 rows affected (0.04 sec)

**mysql> ROLLBACK TO A;**

ERROR 1305 (42000): **SAVEPOINT A does not exist**

**mysql> #SET TRANSACTION**

**mysql> SET TRANSACTION READ ONLY;**

Query OK, 0 rows affected (0.02 sec)

**mysql> DELETE FROM EMPLOYEE WHERE EmpId = 9902;**

ERROR 1792 (25006): Cannot execute statement in a READ ONLY transaction.

**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 |

| 3 | 9812 | Annie | Conservation Biologist | 2020-01-22 | 90000 | On Duty | 647 | 21 |

| 3 | 9814 | Gabriel | Finance Manager | 2012-03-31 | 45000 | On Duty | 3500 | 115 |

| 4 | 9901 | Shez | Zookeeper | 2009-11-24 | 25000 | On Duty | 4358 | 143 |

| 4 | 9902 | Evan | Conservation Biologist | 2009-11-24 | 25000 | On Duty | 4358 | 143 |

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

23 rows in set (0.00 sec)

**mysql> DELETE FROM EMPLOYEE WHERE EmpId = 9902;**

Query OK, 1 row affected (0.04 sec)

**mysql> #THIS SHOULDN’T WORK BUT IT DID SO WE WILL DO IT USING START TRANSACTION READ ONLY**

**mysql> COMMIT;**

Query OK, 0 rows affected (0.00 sec)

**mysql> START TRANSACTION READ ONLY;**

Query OK, 0 rows affected (0.00 sec)

**mysql> INSERT INTO EMPLOYEE VALUES**

-> (4,9902,'Evan','Conservation Biologist','2009-11-24',25000,'On Duty',DATEDIFF(CURDATE(),'2009-11-24'),PERIOD\_DIFF(202110,200911));

**ERROR 1792 (25006): Cannot execute statement in a READ ONLY transaction.**

**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 |

| 3 | 9812 | Annie | Conservation Biologist | 2020-01-22 | 90000 | On Duty | 647 | 21 |

| 3 | 9814 | Gabriel | Finance Manager | 2012-03-31 | 45000 | On Duty | 3500 | 115 |

| 4 | 9901 | Shez | Zookeeper | 2009-11-24 | 25000 | On Duty | 4358 | 143 |

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

22 rows in set (0.04 sec)

**mysql> INSERT INTO EMPLOYEE VALUES**

-> (4,9902,'Evan','Conservation Biologist','2009-11-24',25000,'On Duty',DATEDIFF(CURDATE(),'2009-11-24'),PERIOD\_DIFF(202110,200911));

**ERROR 1792 (25006): Cannot execute statement in a READ ONLY transaction.**

**mysql> COMMIT;**

Query OK, 0 rows affected (0.00 sec)

**mysql> SET TRANSACTION READ WRITE;**

Query OK, 0 rows affected (0.00 sec)

**mysql> SAVEPOINT A;**

Query OK, 0 rows affected (0.00 sec)

**mysql> INSERT INTO EMPLOYEE VALUES**

-> (4,9902,'Evan','Conservation Biologist','2009-11-24',25000,'On Duty',DATEDIFF(CURDATE(),'2009-11-24'),PERIOD\_DIFF(202110,200911));

Query OK, 1 row affected (0.06 sec)

**mysql> ROLLBACK TO A;**

ERROR 1305 (42000): SAVEPOINT A does not exist

**mysql> #IT SHOULD ROLLBACK BUT IT DIDN’T SO WE WILL DO IT USING START TRANSACTION READ WRITE**

**mysql> COMMIT;**

Query OK, 0 rows affected (0.00 sec)

**mysql> START TRANSACTION READ WRITE;**

Query OK, 0 rows affected (0.00 sec)

**mysql> SAVEPOINT A;**

Query OK, 0 rows affected (0.00 sec)

**mysql> DELETE FROM EMPLOYEE WHERE EmpId = 9902;**

Query OK, 1 row affected (0.05 sec)

**mysql> ROLLBACK TO A;**

Query OK, 0 rows affected (0.03 sec)

**mysql> COMMIT;**

Query OK, 0 rows affected (0.00 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 |

| 3 | 9812 | Annie | Conservation Biologist | 2020-01-22 | 90000 | On Duty | 647 | 21 |

| 3 | 9814 | Gabriel | Finance Manager | 2012-03-31 | 45000 | On Duty | 3500 | 115 |

| 4 | 9901 | Shez | Zookeeper | 2009-11-24 | 25000 | On Duty | 4358 | 143 |

| 4 | 9902 | Evan | Conservation Biologist | 2009-11-24 | 25000 | On Duty | 4358 | 143 |

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

23 rows in set (0.00 sec)

**mysql> #AUTOCOMMIT**

mysql>

**mysql> SET AUTOCOMMIT = 0;**

Query OK, 0 rows affected (0.04 sec)

**mysql> DELETE FROM EMPLOYEE WHERE EmpId = 9902;**

Query OK, 1 row affected (0.03 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 |

| 3 | 9812 | Annie | Conservation Biologist | 2020-01-22 | 90000 | On Duty | 647 | 21 |

| 3 | 9814 | Gabriel | Finance Manager | 2012-03-31 | 45000 | On Duty | 3500 | 115 |

| 4 | 9901 | Shez | Zookeeper | 2009-11-24 | 25000 | On Duty | 4358 | 143 |

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

22 rows in set (0.00 sec)

**mysql> ROLLBACK;**

Query OK, 0 rows affected (0.03 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 |

| 3 | 9812 | Annie | Conservation Biologist | 2020-01-22 | 90000 | On Duty | 647 | 21 |

| 3 | 9814 | Gabriel | Finance Manager | 2012-03-31 | 45000 | On Duty | 3500 | 115 |

| 4 | 9901 | Shez | Zookeeper | 2009-11-24 | 25000 | On Duty | 4358 | 143 |

| 4 | 9902 | Evan | Conservation Biologist | 2009-11-24 | 25000 | On Duty | 4358 | 143 |

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

23 rows in set (0.00 sec)

**mysql> SET AUTOCOMMIT = 1;**

Query OK, 0 rows affected (0.00 sec)

**mysql> NOTEE;**