mysql> use Zoo;

Database changed

mysql> Show tables;

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

| Tables\_in\_zoo |

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

| emp |

| emp1 |

| employee |

| feed |

| food |

| newzoo |

| newzoolist |

| visit |

| visitors |

| zoo |

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

10 rows in set (0.23 sec)

**mysql> Show Index from Emp;**

Empty set (0.04 sec)

**mysql> Desc Emp;**

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

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

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

| ZooId | int | YES | | NULL | |

| EmpID | int | NO | | NULL | |

| EmpName | 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 (0.03 sec)

**mysql> Select \* from EMp;**

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

| ZooId | EmpID | EmpName | 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> Explain Select \* from EMp where ZooId = 22;**

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

| id | select\_type | table | partitions | type | possible\_keys | key | key\_len | ref | rows | filtered | Extra |

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

| 1 | SIMPLE | EMp | NULL | ALL | NULL | NULL | NULL | NULL | 7 | 14.29 | Using where |

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

1 row in set, 1 warning (0.01 sec)

**mysql> CREATE INDEX IDX\_ID ON EMP(ZooId);**

Query OK, 0 rows affected (0.13 sec)

Records: 0 Duplicates: 0 Warnings: 0

**mysql> Show Index from Emp;**

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

| Table | Non\_unique | Key\_name | Seq\_in\_index | Column\_name | Collation | Cardinality | Sub\_part | Packed | Null | Index\_type | Comment | Index\_comment | Visible | Expression |

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

| emp | 1 | IDX\_ID | 1 | ZooId | A | 6 | NULL | NULL | YES | BTREE | | | YES | NULL |

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

1 row in set (0.01 sec)

**mysql> Explain Select \* from EMp where ZooId = 22;**

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

| id | select\_type | table | partitions | type | possible\_keys | key | key\_len | ref | rows | filtered | Extra |

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

| 1 | SIMPLE | EMp | NULL | ref | IDX\_ID | IDX\_ID | 5 | const | 1 | 100.00 | NULL |

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

1 row in set, 1 warning (0.00 sec)

**mysql> DROP INDEX IDX\_ID on EMP;**

Query OK, 0 rows affected (0.05 sec)

Records: 0 Duplicates: 0 Warnings: 0

**mysql> Show Index from Emp;**

Empty set (0.00 sec)

**mysql> Explain Select \* from EMp where ZooId = 22;**

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

| id | select\_type | table | partitions | type | possible\_keys | key | key\_len | ref | rows | filtered | Extra |

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

| 1 | SIMPLE | EMp | NULL | ALL | NULL | NULL | NULL | NULL | 7 | 14.29 | Using where |

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

1 row in set, 1 warning (0.00 sec)

**mysql> CREATE UNIQUE INDEX IDX\_U on EMP(ZooID);**

Query OK, 0 rows affected (0.07 sec)

Records: 0 Duplicates: 0 Warnings: 0

**mysql> Show Index from Emp;**

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

| Table | Non\_unique | Key\_name | Seq\_in\_index | Column\_name | Collation | Cardinality | Sub\_part | Packed | Null | Index\_type | Comment | Index\_comment | Visible | Expression |

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

| emp | 0 | IDX\_U | 1 | ZooId | A | 6 | NULL | NULL | YES | BTREE | | | YES | NULL |

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

1 row in set (0.04 sec)

**mysql> Explain Select \* from EMp where ZooId = 22;**

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

| id | select\_type | table | partitions | type | possible\_keys | key | key\_len | ref | rows | filtered | Extra |

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

| 1 | SIMPLE | EMp | NULL | const | IDX\_U | IDX\_U | 5 | const | 1 | 100.00 | NULL |

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

1 row in set, 1 warning (0.04 sec)

**mysql> NOTEE;**