Employee Name: Dharshana Alagarsamy.

Employee Id: 11953
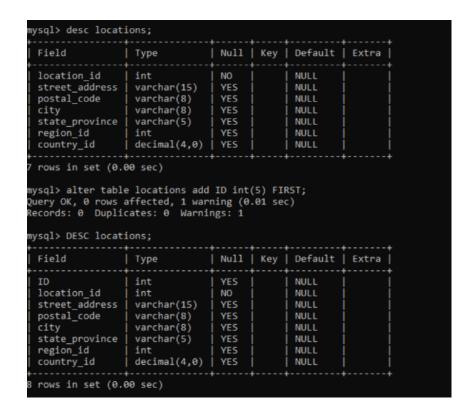
1. Write a SQL statement to rename the table countries to country_new.

```
mysql> use lab_1;
Database changed
mysql> show tables;
+-------------------+
| Tables_in_lab_1   |
+-------------------+
| countries         |
| countries1        |
| countries2        |
| countries3        |
| countries4        |
| departments       |
| departs           |
| job               |
| job_history       |
| job_history1      |
| jobs              |
| jobs1             |
| tbl_countries     |
| tbl_dup_countries |
+-------------------+
14 rows in set (0.01 sec)

mysql> alter table countries  rename to country_new;
Query OK, 0 rows affected (0.01 sec)

mysql> show tables;
+-------------------+
| Tables_in_lab_1   |
+-------------------+
| countries1        |
| countries2        |
| countries3        |
| countries4        |
| country_new       |
| departments       |
| departs           |
| job               |
| job_history       |
| job_history1      |
| jobs              |
| jobs1             |
| tbl_countries     |
| tbl_dup_countries |
+-------------------+
14 rows in set (0.00 sec)
```

2. Write a SQL statement to add a column region_id to the table locations.

```
mysql> desc locations;
+----------------+--------------+------+-----+---------+-------+
| Field          | Type         | Null | Key | Default | Extra |
+----------------+--------------+------+-----+---------+-------+
| location_id    | int          | NO   |     | NULL    |       |
| street_address | varchar(15)  | YES  |     | NULL    |       |
| postal_code    | varchar(8)   | YES  |     | NULL    |       |
| city           | varchar(8)   | YES  |     | NULL    |       |
| state_province | varchar(5)   | YES  |     | NULL    |       |
| country_id     | decimal(4,0) | YES  |     | NULL    |       |
+----------------+--------------+------+-----+---------+-------+
6 rows in set (0.00 sec)

mysql> alter table locations add region_id int(5) after state_province;
Query OK, 0 rows affected, 1 warning (0.02 sec)
Records: 0  Duplicates: 0  Warnings: 1

mysql> desc locations;
+----------------+--------------+------+-----+---------+-------+
| Field          | Type         | Null | Key | Default | Extra |
+----------------+--------------+------+-----+---------+-------+
| location_id    | int          | NO   |     | NULL    |       |
| street_address | varchar(15)  | YES  |     | NULL    |       |
| postal_code    | varchar(8)   | YES  |     | NULL    |       |
| city           | varchar(8)   | YES  |     | NULL    |       |
| state_province | varchar(5)   | YES  |     | NULL    |       |
| region_id      | int          | YES  |     | NULL    |       |
| country_id     | decimal(4,0) | YES  |     | NULL    |       |
+----------------+--------------+------+-----+---------+-------+
7 rows in set (0.00 sec)
```

3. Write a SQL statement to add a columns ID as the first column of the table locations.

```
mysql> desc locations;
+----------------+--------------+------+-----+---------+-------+
| Field          | Type         | Null | Key | Default | Extra |
+----------------+--------------+------+-----+---------+-------+
| location_id    | int          | NO   |     | NULL    |       |
| street_address | varchar(15)  | YES  |     | NULL    |       |
| postal_code    | varchar(8)   | YES  |     | NULL    |       |
| city           | varchar(8)   | YES  |     | NULL    |       |
| state_province | varchar(5)   | YES  |     | NULL    |       |
| region_id      | int          | YES  |     | NULL    |       |
| country_id     | decimal(4,0) | YES  |     | NULL    |       |
+----------------+--------------+------+-----+---------+-------+
7 rows in set (0.00 sec)

mysql> alter table locations add ID int(5) FIRST;
Query OK, 0 rows affected, 1 warning (0.01 sec)
Records: 0  Duplicates: 0  Warnings: 1

mysql> DESC locations;
+----------------+--------------+------+-----+---------+-------+
| Field          | Type         | Null | Key | Default | Extra |
+----------------+--------------+------+-----+---------+-------+
| ID             | int          | YES  |     | NULL    |       |
| location_id    | int          | NO   |     | NULL    |       |
| street_address | varchar(15)  | YES  |     | NULL    |       |
| postal_code    | varchar(8)   | YES  |     | NULL    |       |
| city           | varchar(8)   | YES  |     | NULL    |       |
| state_province | varchar(5)   | YES  |     | NULL    |       |
| region_id      | int          | YES  |     | NULL    |       |
| country_id     | decimal(4,0) | YES  |     | NULL    |       |
+----------------+--------------+------+-----+---------+-------+
8 rows in set (0.00 sec)
```

4. Write a SQL statement to add a column region_id after state_province to the table locations.

```
mysql> desc locations;
+----------------+--------------+------+-----+---------+-------+
| Field          | Type         | Null | Key | Default | Extra |
+----------------+--------------+------+-----+---------+-------+
| location_id    | int          | NO   |     | NULL    |       |
| street_address | varchar(15)  | YES  |     | NULL    |       |
| postal_code    | varchar(8)   | YES  |     | NULL    |       |
| city           | varchar(8)   | YES  |     | NULL    |       |
| state_province | varchar(5)   | YES  |     | NULL    |       |
| country_id     | decimal(4,0) | YES  |     | NULL    |       |
+----------------+--------------+------+-----+---------+-------+
6 rows in set (0.00 sec)

mysql> alter table locations add region_id int(5) after state_province;
Query OK, 0 rows affected, 1 warning (0.02 sec)
Records: 0  Duplicates: 0  Warnings: 1

mysql> desc locations;
+----------------+--------------+------+-----+---------+-------+
| Field          | Type         | Null | Key | Default | Extra |
+----------------+--------------+------+-----+---------+-------+
| location_id    | int          | NO   |     | NULL    |       |
| street_address | varchar(15)  | YES  |     | NULL    |       |
| postal_code    | varchar(8)   | YES  |     | NULL    |       |
| city           | varchar(8)   | YES  |     | NULL    |       |
| state_province | varchar(5)   | YES  |     | NULL    |       |
| region_id      | int          | YES  |     | NULL    |       |
| country_id     | decimal(4,0) | YES  |     | NULL    |       |
+----------------+--------------+------+-----+---------+-------+
7 rows in set (0.00 sec)
```

5. Write a SQL statement change the data type of the column country_id to integer in the table locations.

```
mysql> desc locations;
+----------------+--------------+------+-----+---------+-------+
| Field          | Type         | Null | Key | Default | Extra |
+----------------+--------------+------+-----+---------+-------+
| ID             | int          | YES  |     | NULL    |       |
| location_id    | int          | NO   |     | NULL    |       |
| street_address | varchar(15)  | YES  |     | NULL    |       |
| postal_code    | varchar(8)   | YES  |     | NULL    |       |
| city           | varchar(8)   | YES  |     | NULL    |       |
| state_province | varchar(5)   | YES  |     | NULL    |       |
| region_id      | int          | YES  |     | NULL    |       |
| country_id     | decimal(4,0) | YES  |     | NULL    |       |
+----------------+--------------+------+-----+---------+-------+
8 rows in set (0.00 sec)

mysql> alter table locations modify country_id int(5);
Query OK, 0 rows affected, 1 warning (0.05 sec)
Records: 0  Duplicates: 0  Warnings: 1

mysql> desc locations;
+----------------+--------------+------+-----+---------+-------+
| Field          | Type         | Null | Key | Default | Extra |
+----------------+--------------+------+-----+---------+-------+
| ID             | int          | YES  |     | NULL    |       |
| location_id    | int          | NO   |     | NULL    |       |
| street_address | varchar(15)  | YES  |     | NULL    |       |
| postal_code    | varchar(8)   | YES  |     | NULL    |       |
| city           | varchar(8)   | YES  |     | NULL    |       |
| state_province | varchar(5)   | YES  |     | NULL    |       |
| region_id      | int          | YES  |     | NULL    |       |
| country_id     | int          | YES  |     | NULL    |       |
+----------------+--------------+------+-----+---------+-------+
8 rows in set (0.00 sec)
```

6. Write a SQL statement to drop the column city from the table locations.

```
mysql> desc locations;
+---------------+-------------+------+-----+---------+-------+
| Field         | Type        | Null | Key | Default | Extra |
+---------------+-------------+------+-----+---------+-------+
| ID            | int         | YES  |     | NULL    |       |
| location_id   | int         | NO   |     | NULL    |       |
| street_address| varchar(15) | YES  |     | NULL    |       |
| postal_code   | varchar(8)  | YES  |     | NULL    |       |
| city          | varchar(8)  | YES  |     | NULL    |       |
| state_province| varchar(5)  | YES  |     | NULL    |       |
| region_id     | int         | YES  |     | NULL    |       |
| country_id    | int         | YES  |     | NULL    |       |
+---------------+-------------+------+-----+---------+-------+
8 rows in set (0.00 sec)

mysql> alter table locations drop city;
Query OK, 0 rows affected (0.01 sec)
Records: 0  Duplicates: 0  Warnings: 0

mysql> desc locations;
+---------------+-------------+------+-----+---------+-------+
| Field         | Type        | Null | Key | Default | Extra |
+---------------+-------------+------+-----+---------+-------+
| ID            | int         | YES  |     | NULL    |       |
| location_id   | int         | NO   |     | NULL    |       |
| street_address| varchar(15) | YES  |     | NULL    |       |
| postal_code   | varchar(8)  | YES  |     | NULL    |       |
| state_province| varchar(5)  | YES  |     | NULL    |       |
| region_id     | int         | YES  |     | NULL    |       |
| country_id    | int         | YES  |     | NULL    |       |
+---------------+-------------+------+-----+---------+-------+
7 rows in set (0.00 sec)
```

7. Write a SQL statement to change the name of the column state_province to state, keeping the data type and size same.

```
mysql> desc locations;
+---------------+-------------+------+-----+---------+-------+
| Field         | Type        | Null | Key | Default | Extra |
+---------------+-------------+------+-----+---------+-------+
| ID            | int         | YES  |     | NULL    |       |
| location_id   | int         | NO   |     | NULL    |       |
| street_address| varchar(15) | YES  |     | NULL    |       |
| postal_code   | varchar(8)  | YES  |     | NULL    |       |
| state_province| varchar(5)  | YES  |     | NULL    |       |
| region_id     | int         | YES  |     | NULL    |       |
| country_id    | int         | YES  |     | NULL    |       |
+---------------+-------------+------+-----+---------+-------+
7 rows in set (0.00 sec)

mysql> alter table locations drop state_province,ADD state varchar(5) after postal_code;
Query OK, 0 rows affected (0.01 sec)
Records: 0  Duplicates: 0  Warnings: 0

mysql> desc locations;
+---------------+-------------+------+-----+---------+-------+
| Field         | Type        | Null | Key | Default | Extra |
+---------------+-------------+------+-----+---------+-------+
| ID            | int         | YES  |     | NULL    |       |
| location_id   | int         | NO   |     | NULL    |       |
| street_address| varchar(15) | YES  |     | NULL    |       |
| postal_code   | varchar(8)  | YES  |     | NULL    |       |
| state         | varchar(5)  | YES  |     | NULL    |       |
| region_id     | int         | YES  |     | NULL    |       |
| country_id    | int         | YES  |     | NULL    |       |
+---------------+-------------+------+-----+---------+-------+
7 rows in set (0.00 sec)
```

8. Write a SQL statement to add a primary key for the columns location_id in the locations table.

Here is the sample table employees.

Sample table: employees

```
mysql> desc locations;
+----------------+-------------+------+-----+---------+-------+
| Field          | Type        | Null | Key | Default | Extra |
+----------------+-------------+------+-----+---------+-------+
| ID             | int         | YES  |     | NULL    |       |
| location_id    | int         | NO   |     | NULL    |       |
| street_address | varchar(15) | YES  |     | NULL    |       |
| postal_code    | varchar(8)  | YES  |     | NULL    |       |
| state          | varchar(5)  | YES  |     | NULL    |       |
| region_id      | int         | YES  |     | NULL    |       |
| country_id     | int         | YES  |     | NULL    |       |
+----------------+-------------+------+-----+---------+-------+
7 rows in set (0.00 sec)

mysql> alter table locations add primary key(location_id);
Query OK, 0 rows affected (0.05 sec)
Records: 0  Duplicates: 0  Warnings: 0

mysql> desc locations;
+----------------+-------------+------+-----+---------+-------+
| Field          | Type        | Null | Key | Default | Extra |
+----------------+-------------+------+-----+---------+-------+
| ID             | int         | YES  |     | NULL    |       |
| location_id    | int         | NO   | PRI | NULL    |       |
| street_address | varchar(15) | YES  |     | NULL    |       |
| postal_code    | varchar(8)  | YES  |     | NULL    |       |
| state          | varchar(5)  | YES  |     | NULL    |       |
| region_id      | int         | YES  |     | NULL    |       |
| country_id     | int         | YES  |     | NULL    |       |
+----------------+-------------+------+-----+---------+-------+
7 rows in set (0.00 sec)
```

9. Write a SQL statement to add a primary key for a combination of columns location_id and country_id.

```
mysql> desc locations;
+----------------+-------------+------+-----+---------+-------+
| Field          | Type        | Null | Key | Default | Extra |
+----------------+-------------+------+-----+---------+-------+
| ID             | int         | YES  |     | NULL    |       |
| location_id    | int         | NO   |     | NULL    |       |
| street_address | varchar(15) | YES  |     | NULL    |       |
| postal_code    | varchar(8)  | YES  |     | NULL    |       |
| state          | varchar(5)  | YES  |     | NULL    |       |
| region_id      | int         | YES  |     | NULL    |       |
| country_id     | int         | YES  |     | NULL    |       |
+----------------+-------------+------+-----+---------+-------+
7 rows in set (0.00 sec)

mysql> alter table locations add primary key(location_id,country_id);
Query OK, 0 rows affected (0.17 sec)
Records: 0  Duplicates: 0  Warnings: 0

mysql> desc locations;
+----------------+-------------+------+-----+---------+-------+
| Field          | Type        | Null | Key | Default | Extra |
+----------------+-------------+------+-----+---------+-------+
| ID             | int         | YES  |     | NULL    |       |
| location_id    | int         | NO   | PRI | NULL    |       |
| street_address | varchar(15) | YES  |     | NULL    |       |
| postal_code    | varchar(8)  | YES  |     | NULL    |       |
| state          | varchar(5)  | YES  |     | NULL    |       |
| region_id      | int         | YES  |     | NULL    |       |
| country_id     | int         | NO   | PRI | NULL    |       |
+----------------+-------------+------+-----+---------+-------+
7 rows in set (0.00 sec)
```

10. Write a SQL statement to drop the existing primary from the table locations on a combination of columns location_id and country_id.

```
mysql> desc locations;
+----------------+-------------+------+-----+---------+-------+
| Field          | Type        | Null | Key | Default | Extra |
+----------------+-------------+------+-----+---------+-------+
| ID             | int         | YES  |     | NULL    |       |
| location_id    | int         | NO   | PRI | NULL    |       |
| street_address | varchar(15) | YES  |     | NULL    |       |
| postal_code    | varchar(8)  | YES  |     | NULL    |       |
| state          | varchar(5)  | YES  |     | NULL    |       |
| region_id      | int         | YES  |     | NULL    |       |
| country_id     | int         | NO   | PRI | NULL    |       |
+----------------+-------------+------+-----+---------+-------+
7 rows in set (0.00 sec)

mysql> alter table locations drop primary key;
Query OK, 0 rows affected (0.06 sec)
Records: 0  Duplicates: 0  Warnings: 0

mysql> desc locations;
+----------------+-------------+------+-----+---------+-------+
| Field          | Type        | Null | Key | Default | Extra |
+----------------+-------------+------+-----+---------+-------+
| ID             | int         | YES  |     | NULL    |       |
| location_id    | int         | NO   |     | NULL    |       |
| street_address | varchar(15) | YES  |     | NULL    |       |
| postal_code    | varchar(8)  | YES  |     | NULL    |       |
| state          | varchar(5)  | YES  |     | NULL    |       |
| region_id      | int         | YES  |     | NULL    |       |
| country_id     | int         | NO   |     | NULL    |       |
+----------------+-------------+------+-----+---------+-------+
7 rows in set (0.00 sec)
```

11. Write a SQL statement to add a foreign key on job_id column of job_history table referencing to the primary key job_id of jobs table.

```
mysql> desc job_history
    -> ;
+---------------+------+------+-----+---------+-------+
| Field         | Type | Null | Key | Default | Extra |
+---------------+------+------+-----+---------+-------+
| employee_id   | int  | NO   |     | NULL    |       |
| start_date    | date | YES  |     | NULL    |       |
| hire_date     | date | YES  |     | NULL    |       |
| job_id        | int  | NO   |     | NULL    |       |
| department_id | int  | NO   |     | NULL    |       |
+---------------+------+------+-----+---------+-------+
5 rows in set (0.00 sec)

mysql> desc jobs;
+------------+--------------+------+-----+---------+-------+
| Field      | Type         | Null | Key | Default | Extra |
+------------+--------------+------+-----+---------+-------+
| job_id     | int          | NO   | PRI | NULL    |       |
| job_title  | varchar(35)  | NO   |     | NULL    |       |
| min_salary | decimal(6,0) | YES  |     | NULL    |       |
| max_salary | decimal(6,0) | YES  |     | NULL    |       |
+------------+--------------+------+-----+---------+-------+
4 rows in set (0.00 sec)

mysql> alter table job_history add foreign key(job_id) REFERENCES jobs(job_id);
Query OK, 0 rows affected (0.07 sec)
Records: 0  Duplicates: 0  Warnings: 0

mysql> desc job_history;
+---------------+------+------+-----+---------+-------+
| Field         | Type | Null | Key | Default | Extra |
+---------------+------+------+-----+---------+-------+
| employee_id   | int  | NO   |     | NULL    |       |
| start_date    | date | YES  |     | NULL    |       |
| hire_date     | date | YES  |     | NULL    |       |
| job_id        | int  | NO   | MUL | NULL    |       |
| department_id | int  | NO   |     | NULL    |       |
+---------------+------+------+-----+---------+-------+
5 rows in set (0.00 sec)
```

12. Write a SQL statement to add a foreign key constraint named fk_job_id on job_id column of job_history table referencing to the primary key job_id of jobs table.

```
mysql> alter table job_history add constraint fk_job_id foreign key(job_id) REFERENCES jobs(job_id) ON UPDATE RESTRICT ON DELETE CASCADE;
Query OK, 0 rows affected (0.07 sec)
Records: 0  Duplicates: 0  Warnings: 0

mysql> desc job_history;
+---------------+------+------+-----+---------+-------+
| Field         | Type | Null | Key | Default | Extra |
+---------------+------+------+-----+---------+-------+
| employee_id   | int  | NO   |     | NULL    |       |
| start_date    | date | YES  |     | NULL    |       |
| hire_date     | date | YES  |     | NULL    |       |
| job_id        | int  | NO   | MUL | NULL    |       |
| department_id | int  | NO   |     | NULL    |       |
+---------------+------+------+-----+---------+-------+
5 rows in set (0.00 sec)

mysql> show index from job_history;
+-------------+------------+-----------+--------------+-------------+-----------+-------------+----------+--------+------+------------+---------+---------------+--------+
| Table       | Non_unique | Key_name  | Seq_in_index | Column_name | Collation | Cardinality | Sub_part | Packed | Null | Index_type | Comment | Index_comment | Visibl |
e | Expression |
+-------------+------------+-----------+--------------+-------------+-----------+-------------+----------+--------+------+------------+---------+---------------+--------+
| job_history |          1 | fk_job_id |            1 | job_id      | A         |           0 |     NULL |   NULL | NULL |      | BTREE      |         |               | YES    |
  | NULL       |
+-------------+------------+-----------+--------------+-------------+-----------+-------------+----------+--------+------+------------+---------+---------------+--------+
1 row in set (0.01 sec)
```

13. Write a SQL statement to drop the existing foreign key fk_job_id from job_history table on job_id column which is referencing to the job_id of jobs table.

```
mysql> alter table job_history drop foreign key fk_job_id;
Query OK, 0 rows affected (0.01 sec)
Records: 0  Duplicates: 0  Warnings: 0

mysql> show index from job_history;
+-------------+------------+----------+--------------+-------------+-----------+-------------+----------+--------+------+------------+---------+---------------+---------
--+------------+
| Table       | Non_unique | Key_name | Seq_in_index | Column_name | Collation | Cardinality | Sub_part | Packed | Null | Index_type | Comment | Index_comment | Visibl
e | Expression |
+-------------+------------+----------+--------------+-------------+-----------+-------------+----------+--------+------+------------+---------+---------------+---------
--+------------+
| job_history |          1 | fk_job_id |            1 | job_id      | A         |           0 |     NULL |   NULL |      | BTREE      |         |               | YES
  | NULL       |
+-------------+------------+----------+--------------+-------------+-----------+-------------+----------+--------+------+------------+---------+---------------+---------
--+------------+
1 row in set (0.00 sec)

mysql> desc job_history;
+---------------+------+------+-----+---------+-------+
| Field         | Type | Null | Key | Default | Extra |
+---------------+------+------+-----+---------+-------+
| employee_id   | int  | NO   |     | NULL    |       |
| start_date    | date | YES  |     | NULL    |       |
| hire_date     | date | YES  |     | NULL    |       |
| job_id        | int  | NO   | MUL | NULL    |       |
| department_id | int  | NO   |     | NULL    |       |
+---------------+------+------+-----+---------+-------+
5 rows in set (0.00 sec)

mysql> show index from jobs;
+-------+------------+----------+--------------+-------------+-----------+-------------+----------+--------+------+------------+---------+---------------+---------+-----
-------+
| Table | Non_unique | Key_name | Seq_in_index | Column_name | Collation | Cardinality | Sub_part | Packed | Null | Index_type | Comment | Index_comment | Visible | Exp
ression |
+-------+------------+----------+--------------+-------------+-----------+-------------+----------+--------+------+------------+---------+---------------+---------+-----
-------+
| jobs  |          0 | PRIMARY  |            1 | job_id      | A         |           0 |     NULL |   NULL |      | BTREE      |         |               | YES     | NUL
L      |
+-------+------------+----------+--------------+-------------+-----------+-------------+----------+--------+------+------------+---------+---------------+---------+-----
-------+
1 row in set (0.01 sec)
```

14. Write a SQL statement to add an index named indx_job_id on job_id column in the table job_history.

```
mysql> show index from job_history;
+-------------+------------+----------+--------------+-------------+-----------+-------------+----------+--------+------+------------+---------+---------------+--------
-+------------+
| Table       | Non_unique | Key_name | Seq_in_index | Column_name | Collation | Cardinality | Sub_part | Packed | Null | Index_type | Comment | Index_comment | Visibl
e | Expression |
+-------------+------------+----------+--------------+-------------+-----------+-------------+----------+--------+------+------------+---------+---------------+--------
-+------------+
| job_history |          1 | fk_job_id |            1 | job_id      | A         |           0 |     NULL |   NULL |      | BTREE      |         |               | YES
  | NULL       |
+-------------+------------+----------+--------------+-------------+-----------+-------------+----------+--------+------+------------+---------+---------------+--------
-+------------+
1 row in set (0.00 sec)

mysql> alter table job_history add index index_job_id(job_id);
Query OK, 0 rows affected (0.02 sec)
Records: 0  Duplicates: 0  Warnings: 0

mysql> desc job_history;
+---------------+------+------+-----+---------+-------+
| Field         | Type | Null | Key | Default | Extra |
+---------------+------+------+-----+---------+-------+
| employee_id   | int  | NO   |     | NULL    |       |
| start_date    | date | YES  |     | NULL    |       |
| hire_date     | date | YES  |     | NULL    |       |
| job_id        | int  | NO   | MUL | NULL    |       |
| department_id | int  | NO   |     | NULL    |       |
+---------------+------+------+-----+---------+-------+
5 rows in set (0.00 sec)

mysql> show index from job_history;
+-------------+------------+--------------+--------------+-------------+-----------+-------------+----------+--------+------+------------+---------+---------------+----
-+------------+
| Table       | Non_unique | Key_name     | Seq_in_index | Column_name | Collation | Cardinality | Sub_part | Packed | Null | Index_type | Comment | Index_comment | Vis
ible | Expression |
+-------------+------------+--------------+--------------+-------------+-----------+-------------+----------+--------+------+------------+---------+---------------+----
-+------------+
| job_history |          1 | index_job_id |            1 | job_id      | A         |           0 |     NULL |   NULL |      | BTREE      |         |               | YES
    | NULL       |
+-------------+------------+--------------+--------------+-------------+-----------+-------------+----------+--------+------+------------+---------+---------------+----
-+------------+
1 row in set (0.01 sec)
```

15. Write a SQL statement to drop the index indx_job_id from job_history table.

```
mysql> show index from job_history;
+-------------+------------+----------------------+--------------+-------------+-----------+-------------+----------+--------+------+------------+---------+---------------
-------+---------+------------+
| Table       | Non_unique | Key_name             | Seq_in_index | Column_name | Collation | Cardinality | Sub_part | Packed | Null | Index_type | Comment | Index_c
omment | Visible | Expression |
+-------------+------------+----------------------+--------------+-------------+-----------+-------------+----------+--------+------+------------+---------+---------------
-------+---------+------------+
| job_history |          1 | index_job_id         |            1 | job_id      | A         |           0 | NULL     | NULL   |      | BTREE      |         |
       | YES     | NULL       |
| job_history |          1 | index_job_id_primary_key |        1 | job_id      | A         |           0 | NULL     | NULL   |      | BTREE      |         |
       | YES     | NULL       |
+-------------+------------+----------------------+--------------+-------------+-----------+-------------+----------+--------+------+------------+---------+---------------
-------+---------+------------+
2 rows in set (0.01 sec)

mysql> alter table job_history drop index index_job_id;
Query OK, 0 rows affected (0.01 sec)
Records: 0  Duplicates: 0  Warnings: 0

mysql> show index from job_history;
+-------------+------------+----------------------+--------------+-------------+-----------+-------------+----------+--------+------+------------+---------+---------------
-------+---------+------------+
| Table       | Non_unique | Key_name             | Seq_in_index | Column_name | Collation | Cardinality | Sub_part | Packed | Null | Index_type | Comment | Index_c
omment | Visible | Expression |
+-------------+------------+----------------------+--------------+-------------+-----------+-------------+----------+--------+------+------------+---------+---------------
-------+---------+------------+
| job_history |          1 | index_job_id_primary_key |        1 | job_id      | A         |           0 | NULL     | NULL   |      | BTREE      |         |
       | YES     | NULL       |
+-------------+------------+----------------------+--------------+-------------+-----------+-------------+----------+--------+------+------------+---------+---------------
-------+---------+------------+
1 row in set (0.00 sec)
```