

```
CREATE USER 'example_user'@'localhost' IDENTIFIED BY 'password';
```

Grant SELECT and INSERT permissions on the `students` table to the user

```
GRANT SELECT, INSERT ON database_name.students TO 'example_user'@'localhost';
```

Grant ALL permissions on the database to the user

```
GRANT ALL PRIVILEGES ON database_name.* TO 'example_user'@'localhost';
```

Revoke SELECT and INSERT permissions on the `students` table from the user

```
REVOKE SELECT, INSERT ON database_name.students FROM 'example_user'@'localhost';
```

Revoke ALL permissions on the database from the user

```
REVOKE ALL PRIVILEGES ON database_name.* FROM 'example_user'@'localhost';
```

```
CREATE TABLE employees (  
    employee_id INT PRIMARY KEY,  
    first_name VARCHAR(50),  
    last_name VARCHAR(50),  
    department VARCHAR(50),  
    hire_date DATE  
);
```

```
INSERT INTO employees (employee_id, first_name, last_name, department,  
hire_date) VALUES  
(1, 'Emily', 'Davis', 'HR', '2020-05-15'),  
(2, 'Michael', 'Wilson', 'IT', '2019-08-22'),  
(3, 'Sarah', 'Johnson', 'Finance', '2021-03-12');
```

Create a user

```
CREATE USER 'employee_user'@'localhost' IDENTIFIED BY 'password';
```

Grant SELECT permission on the `employees` table

```
GRANT SELECT ON database_name.employees TO 'employee_user'@'localhost';
```

Revoke SELECT permission on the `employees` table

```
REVOKE SELECT ON database_name.employees FROM 'employee_user'@'localhost';
```

Create an index on the department column

```
CREATE INDEX idx_department ON employees(department);
```

Drop the index on the department column

```
DROP INDEX idx_department ON employees;
```