

# DataBase management System

## Assignment-2

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```
MySQL 8.0 Command Line Cli x + v
Query OK, 0 rows affected (0.02 sec)

mysql> CREATE TABLE employees (
->   employee_id INT AUTO_INCREMENT PRIMARY KEY, -- Unique ID for each employee
->   first_name VARCHAR(50) NOT NULL,           -- Employee's first name
->   last_name VARCHAR(50) NOT NULL,            -- Employee's last name
->   department VARCHAR(50),                    -- Department of the employee
->   status ENUM('active', 'inactive', 'on leave') DEFAULT 'active', -- Employee status
->   hire_date DATE NOT NULL,                   -- The date the employee was hired
->   salary DECIMAL(10, 2)                      -- Employee's salary with two decimal places
-> );
Query OK, 0 rows affected (0.05 sec)

mysql> CREATE VIEW employee_details AS
-> SELECT employee_id, first_name, last_name, department
-> FROM employees
-> WHERE status = 'active';
Query OK, 0 rows affected (0.03 sec)

mysql> SELECT * FROM employee_details;
Empty set (0.02 sec)

mysql> CREATE OR REPLACE VIEW employee_details AS
-> SELECT employee_id, first_name, last_name, department, salary
-> FROM employees
-> WHERE status = 'active';
Query OK, 0 rows affected (0.03 sec)

mysql> DESCRIBE employee_details;
+-----+-----+-----+-----+-----+-----+
| Field | Type | Null | Key | Default | Extra |
+-----+-----+-----+-----+-----+-----+
| employee_id | int | NO | | 0 | |
| first_name | varchar(50) | NO | | NULL | |
| last_name | varchar(50) | NO | | NULL | |
| department | varchar(50) | YES | | NULL | |
| salary | decimal(10,2) | YES | | NULL | |
+-----+-----+-----+-----+-----+-----+
5 rows in set (0.02 sec)

mysql>
```



