**Database Schemas for Employee Review Application**

1. **SelfReview** Table

This table stores the self-reviews submitted by employees.

**CREATE TABLE SelfReview (**

**id BIGINT PRIMARY KEY AUTO\_INCREMENT,**

**employee\_id BIGINT NOT NULL,**

**review\_text TEXT NOT NULL,**

**timestamp DATETIME NOT NULL**

**);**

**Explanation:**

- **\*\*`id`\*\***: A unique, auto-incremented identifier for each review.

- **\*\*`employee\_id`\*\*:** References the employee who submitted the review. Ensure it links to a valid employee ID in your application logic.

**- \*\*`review\_text`\*\*:** The text content of the self-review, ensuring employees provide their feedback.

**- \*\*`timestamp`\*\*:** Captures when the review was submitted for tracking purposes.

**2. `ManagerReview`** Table

This table stores the reviews submitted by managers for employees.

**CREATE TABLE ManagerReview (**

**id BIGINT PRIMARY KEY AUTO\_INCREMENT,**

**employee\_id BIGINT NOT NULL,**

**review\_text TEXT NOT NULL,**

**rating DECIMAL(3,2) NOT NULL,**

**timestamp DATETIME NOT NULL**

**);**

**Explanation:**

- **\*\*`id`\*\*:** A unique, auto-incremented identifier for each manager review.

- **\*\*`employee\_id`\*\*:** Identifies the employee for whom the review is written.

- **\*\*`review\_text`\*\*:** The manager’s written feedback about the employee.

**- \*\*`rating`\*\*:** A numerical score (e.g., 1 to 5) that reflects the employee's performance as assessed by the manager.

- **\*\*`timestamp`\*\*:** Captures when the review was submitted for audit and tracking.

3. **`PerformanceSummary**` Table

This table aggregates the data from self-reviews and manager reviews to provide a holistic performance summary for an employee.

**CREATE TABLE PerformanceSummary (**

**id BIGINT PRIMARY KEY AUTO\_INCREMENT,**

**employee\_id BIGINT NOT NULL,**

**self\_review\_text TEXT NOT NULL,**

**self\_review\_rating DECIMAL(3,2) NOT NULL,**

**self\_review\_timestamp DATETIME NOT NULL,**

**manager\_review\_text TEXT NOT NULL**,

**manager\_rating DECIMAL(3,2) NOT NULL,**

**performance\_score DECIMAL(3,2) NOT NULL,**

**manager\_review\_timestamp DATETIME NOT NULL**

**);**

**Explanation:**

- **\*\*`id`\*\*:** A unique, auto-incremented identifier for each performance summary.

- **\*\*`employee\_id`\*\*:** Identifies the employee whose performance is being summarized.

- **\*\*`self\_review\_text`\*\*:** Stores the content of the self-review.

- **\*\*`self\_review\_timestamp`\*\*:** Tracks when the self-review was submitted.

- **\*\*`manager\_review\_text`\*\*:** Stores the content of the manager's review.

- **\*\*`manager\_rating`\*\*:** Reflects the manager's numeric assessment of the employee's performance.

- **\*\*`manager\_review\_timestamp`\*\*:** Tracks when the manager's review was submitted.

- **\*\*`performance\_score`\*\*:** Represents a calculated score based on the reviews, typically weighted or averaged.