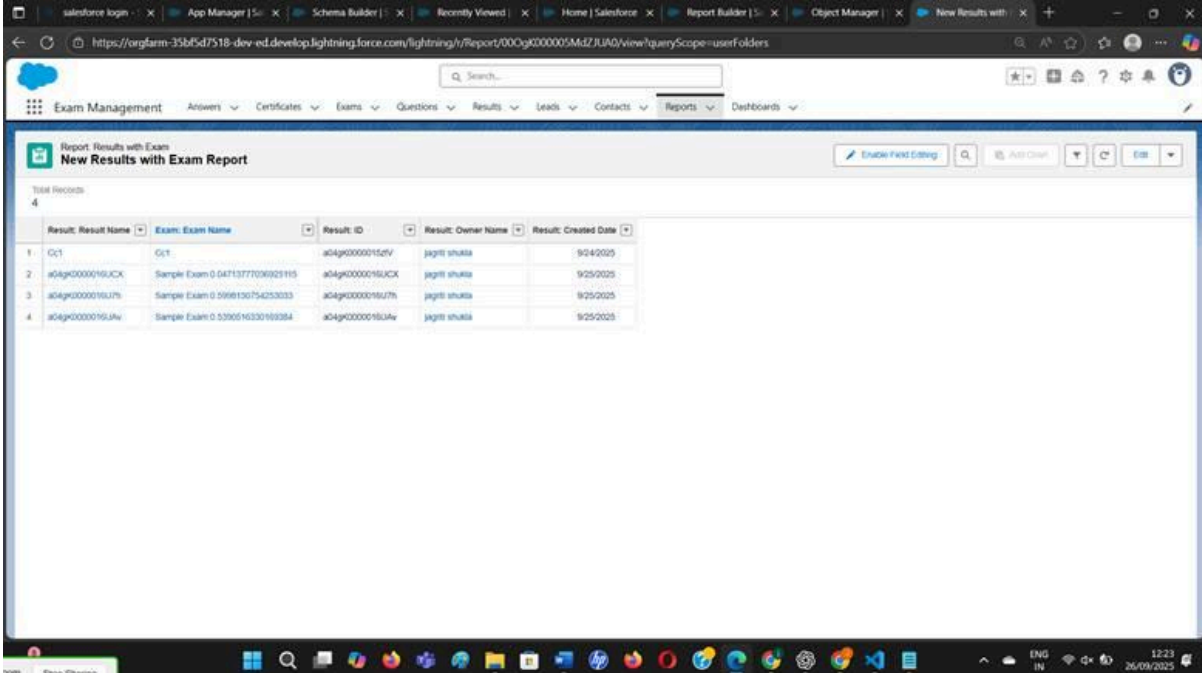


Phase 9: Reporting, Dashboards & Security Review Project: Salesforce Online Examination System

1. Reports (Tabular, Summary, Matrix, Joined)

- **Tabular Report:** Quick list of student results or exam schedules.
- **Summary Report:** Summarize results by Exam or Subject.
- **Matrix Report:** Analyze student performance by Exam vs. Subject.
- **Joined Report:** Combine Exam and Result data in one report.
- **Project Usage:** Generate insights for teachers and admins on student performance.



The screenshot displays a Salesforce interface with a report titled "New Results with Exam Report". The report is in a tabular format and shows 4 total records. The columns are: Result, Result Name, Exam, Exam Name, Result ID, Result Owner Name, and Result Created Date. The data is as follows:

	Result	Result Name	Exam	Exam Name	Result ID	Result Owner Name	Result Created Date
1	Cc1		Cc1		a04gk0000015zlv	pagrit shukla	9/24/2025
2	a04gk0000016UCX	Sample Exam 0.04713777036921115			a04gk0000016UCX	pagrit shukla	9/25/2025
3	a04gk0000016U7h	Sample Exam 0.5986130754253033			a04gk0000016U7h	pagrit shukla	9/25/2025
4	a04gk0000016U4v	Sample Exam 0.5390516330163384			a04gk0000016U4v	pagrit shukla	9/25/2025

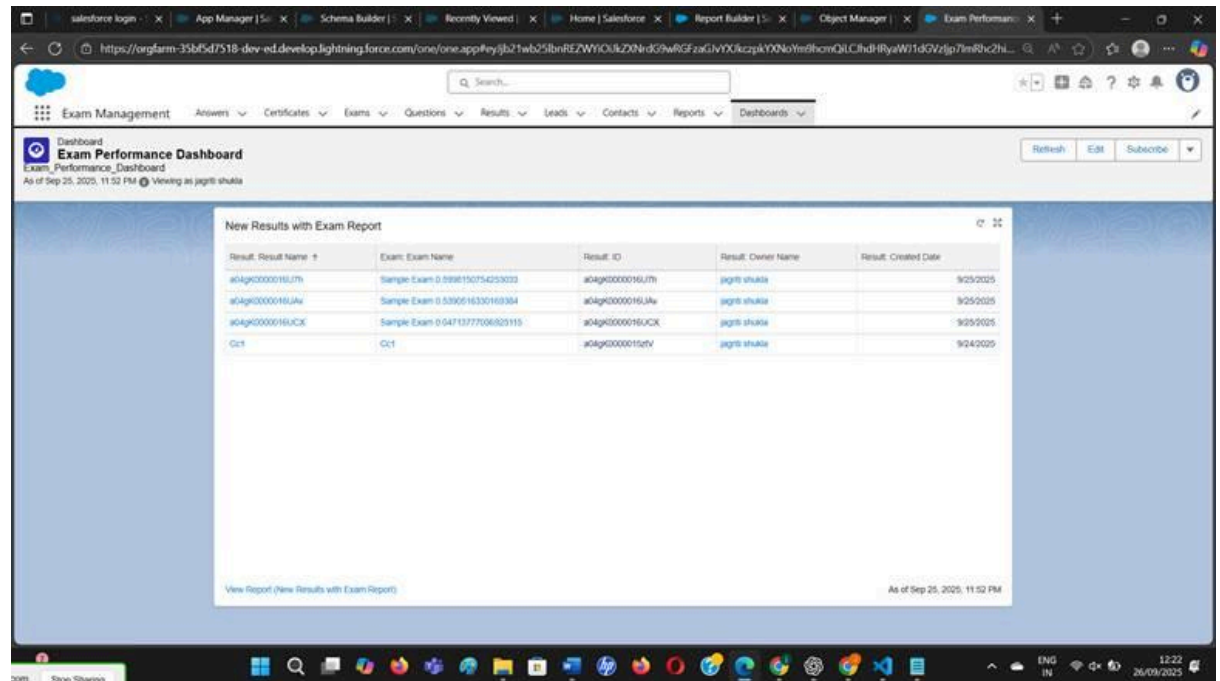
2. Report Types

- **Custom Report Type:** For objects like Result__c and Exam__c.
- **Usage:** Include related objects like Student__c, Exam__c for combined reporting.

3. Dashboards

- **Purpose:** Visual representation of data.

- **Components:** Charts, Tables, Gauges.
- **Project Usage:** Dashboard showing number of exams, average scores, top-performing students.



4. Dynamic Dashboards

- **Purpose:** Personalized dashboards for each user.
- **Project Usage:** Teachers see only their students; admins see all data.
- **Setup:** Enable 'Run as Logged-in User' in dashboard settings.

5. Sharing Settings

- **Purpose:** Control record visibility.
- **Project Usage:**
 - Students see only their results.
 - Teachers see results of their students.
 - Admins have full access.
- **Configuration:** Setup → Sharing Settings → Object-level and record-level rules.

6. Field Level Security

- **Purpose:** Protect sensitive fields.
- **Project Usage:**
 - Hide student personal info from other students.
 - Control visibility of exam answers until grading.
- **Setup:** Setup → Field Accessibility → Profiles.

7. Session Settings

- **Purpose:** Control session timeout and security.
- **Project Usage:**
 - Set session timeout for exam-taking environment.
 - Restrict login hours if needed.
- **Setup:** Setup → Session Settings.

8. Login IP Ranges

- **Purpose:** Restrict access based on location/IP.
- **Project Usage:** Ensure students can only login from school/university network during exams.
- **Setup:** Profile → Login IP Ranges.

9. Audit Trail

- **Purpose:** Track configuration changes and user activity.
- **Project Usage:** Monitor changes in exams, questions, results, and user access.
- **Setup:** Setup → View Setup Audit Trail.