

SQL Data Analysis Internship – Task 3

Query Outputs

Local Instance 3306 - Warning - not supported

Administration Schemas Query 1

MANAGEMENT Server Status Client Connections Users and Privileges Status and System Variables Data Export Data Import/Restore

INSTANCE Startup / Shutdown Server Logs Options File

PERFORMANCE Dashboard Performance Reports Performance Schema Setup

Object Info Session

No object selected

84 /* 8. TOP STUDENT PER COURSE */
85
86 • SELECT
87 c.name AS course_name,
88 s.name AS student_name,
89 e.grade AS top_grade
90 FROM enrollments e

100% 3:86

Result Grid Filter Rows: Search Export: Result Grid Form Editor Field Types

course_name	student_na...	top_grade
SQL	Sneha	92
Python	Amit	78
Data Science	Sneha	88

Result 9 Read Only

Action Output

Time	Response	Duration / Fetch Time
47 12:29:03	S 4 row(s) returned	0.00069 sec / 0.000...
48 13:00:56	S 3 row(s) returned	0.00015 sec / 0.00001...

Automatic context help is disabled. Use the toolbar to manually get help for the current caret position or to toggle automatic help.

The screenshot shows the MySQL Workbench interface with a dark theme. The left sidebar contains navigation links like Administration, Management, Instance, and Performance. The main area has a 'Query 1' tab with the following SQL code:

```
/* 8. TOP STUDENT PER COURSE */
SELECT c.name AS course_name,
       s.name AS student_name,
       e.grade AS top_grade
  FROM enrollments e;
```

The results grid displays three rows of data:

course_name	student_na...	top_grade
SQL	Sneha	92
Python	Amit	78
Data Science	Sneha	88

The status bar at the bottom shows the execution time for each query.

Schemas Query 1

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Object Info Session

No object selected

100 /* 9. PASS RATE PER COURSE (Grade >= 40) */
101
102 • SELECT
103 c.name AS course_name,
104 ROUND(
105 SUM(CASE WHEN e.grade >= 40 THEN 1 ELSE 0 END) * 100.0 / COUNT(*),
106 2)

100% 4:102

Result Grid Filter Rows: Search Export: Result Grid Form Editor Field Types

course_name	pass_rate_percent...
SQL	100.00
Python	66.67
Data Science	100.00

Result 10 Read Only

Action Output

Time	Response	Duration / Fetch Time
48 13:00:56	S 3 row(s) returned	0.0015 sec / 0.00001...
49 13:01:17	S 3 row(s) returned	0.00096 sec / 0.000...

Automatic context help is disabled. Use the toolbar to manually get help for the current caret position or to toggle automatic help.

This screenshot shows the MySQL Workbench interface with a dark theme. The left sidebar contains navigation links like Administration, Management, Instance, and Performance. The main area has a 'Query 1' tab with the following SQL code:

```
/* 9. PASS RATE PER COURSE (Grade >= 40) */
SELECT c.name AS course_name,
       ROUND(
           SUM(CASE WHEN e.grade >= 40 THEN 1 ELSE 0 END) * 100.0 / COUNT(*),
           2)
```

The results grid displays three rows of data:

course_name	pass_rate_percent...
SQL	100.00
Python	66.67
Data Science	100.00

The status bar at the bottom shows the execution time for each query.

```
113  /* 10. OVERALL TOPPER ACROSS ALL COURSES */
114
115 •   SELECT
116      s.name AS student_name,
117      ROUND(AVG(e.grade), 2) AS average_score
118  FROM enrollments e
119  JOIN students s ON e.student_id = s.id
100%  ◇  1:115
```

Result Grid

student_na...	average_score
Sneha	90.00

Result 11

Action Output

Time	Response	Duration / Fetch Time
49 13:01:17	S 3 row(s) returned	0.00096 sec / 0.000...
50 13:01:30	S 1 row(s) returned	0.00051 sec / 0.000...

```
128      s.name AS student_name,
129      COUNT(e.course_id) AS total_courses
130  FROM enrollments e
131  JOIN students s ON e.student_id = s.id
132  GROUP BY s.name
133  HAVING COUNT(e.course_id) > 1;
134
```

Result Grid

student_na...	total_cours...
Amit	2
Sneha	2
Rahul	2
Priya	2

Result 12

Action Output

Time	Response	Duration / Fetch Time
50 13:01:30	S 1 row(s) returned	0.00051 sec / 0.000...
51 13:01:45	S 4 row(s) returned	0.00056 sec / 0.000...