Lab Report

Course Title   : DATABASE MANAGEMENT SYSTEM

Course Code   : CSEC321

Submitted By

Name : Robaaed Afred Tanik

ID No : 2213081048

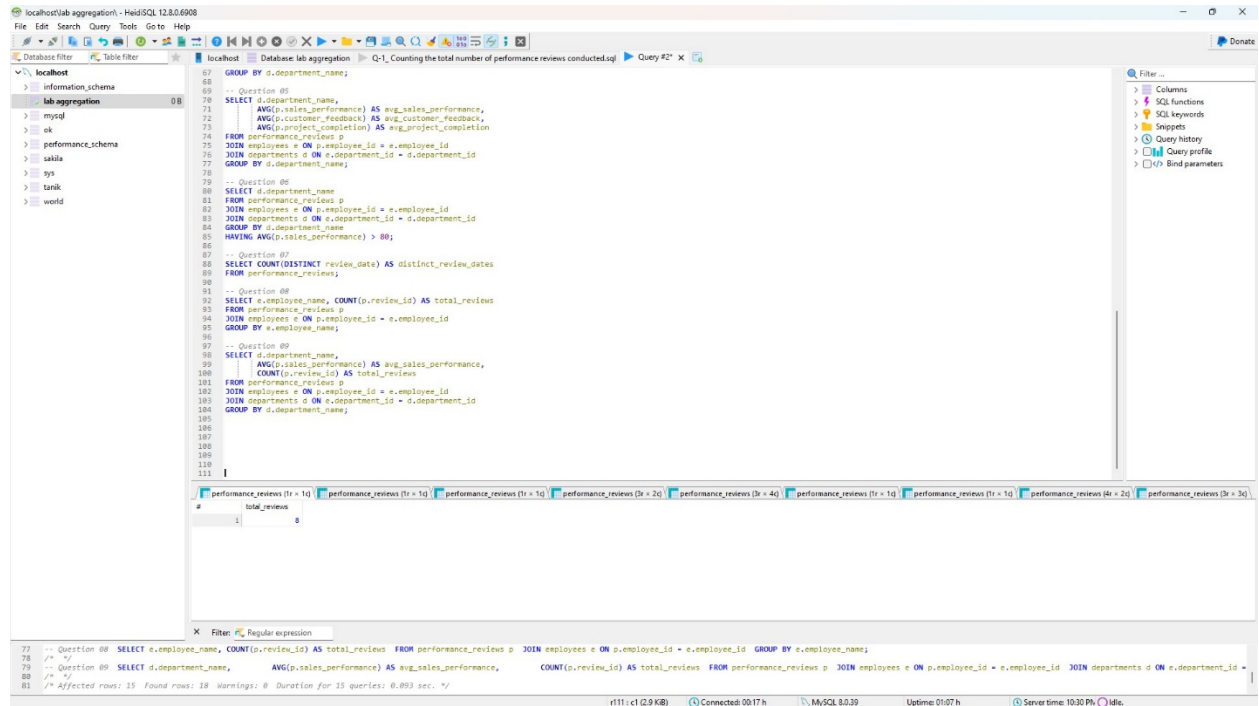Batch : 55

Submitted To

Md. Harun Ar Rashid

Senior Lecturer, Dept. CSE

Uttara University

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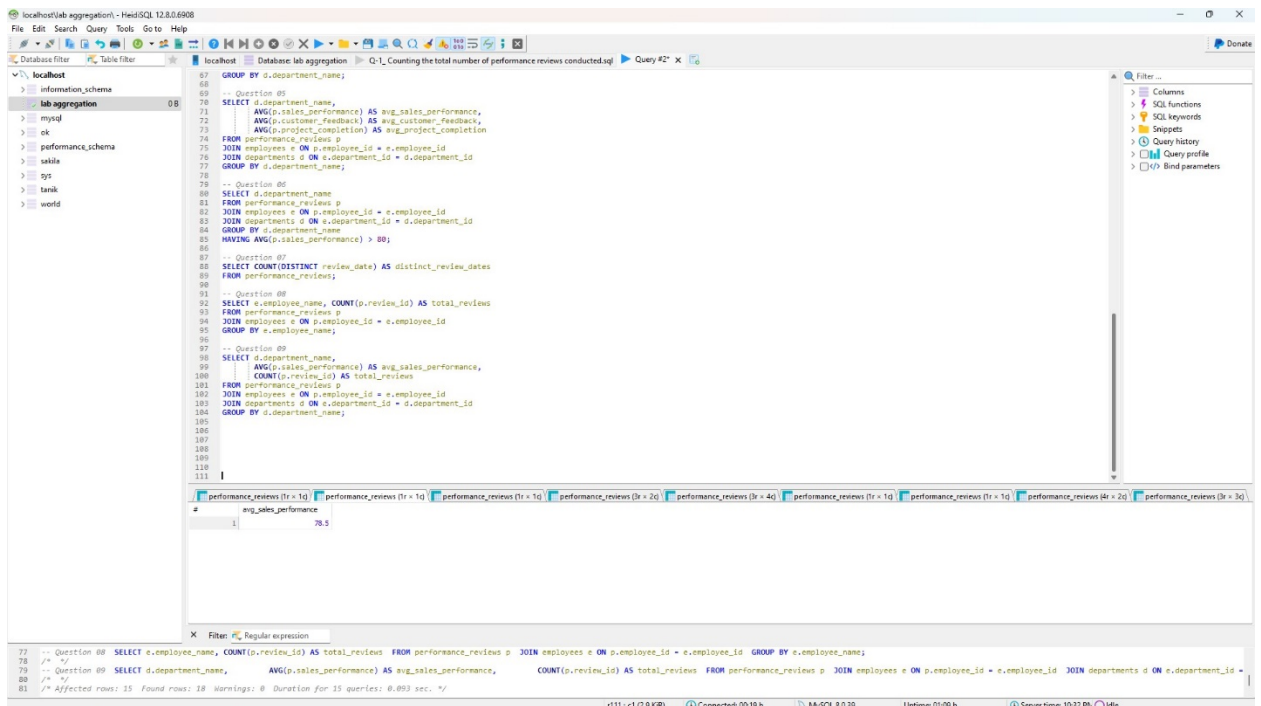
Lab Aggregation Function

Question 01:

Question 02:

Question 03:


```
67    GROUP BY d.department_name;
68
69    -- Question 05
70    SELECT d.department_name,
71           AVG(p.sales_performance) AS avg_sales_performance,
72           AVG(p.customer_feedback) AS avg_customer_feedback,
73           AVG(p.project_completion) AS avg_project_completion
74    FROM performance_reviews p
75    JOIN employees e ON p.employee_id = e.employee_id
76    JOIN departments d ON e.department_id = d.department_id
77    GROUP BY d.department_name;
78
79    -- Question 06
80    SELECT d.department_name
81    FROM performance_reviews p
82    JOIN employees e ON p.employee_id = e.employee_id
83    JOIN departments d ON e.department_id = d.department_id
84    GROUP BY d.department_name
85    HAVING AVG(p.sales_performance) > 80;
86
87    -- Question 07
88    SELECT COUNT(DISTINCT review_date) AS distinct_review_dates
89    FROM performance_reviews;
90
91    -- Question 08
92    SELECT e.employee_name, COUNT(p.review_id) AS total_reviews
93    FROM performance_reviews p
94    JOIN employees e ON p.employee_id = e.employee_id
95    GROUP BY e.employee_name;
96
97    -- Question 09
98    SELECT d.department_name,
99           AVG(p.sales_performance) AS avg_sales_performance,
100          COUNT(p.review_id) AS total_reviews
101   FROM performance_reviews p
102   JOIN employees e ON p.employee_id = e.employee_id
103   JOIN departments d ON e.department_id = d.department_id
104   GROUP BY d.department_name;
105
106
107
108
109
110
111
```
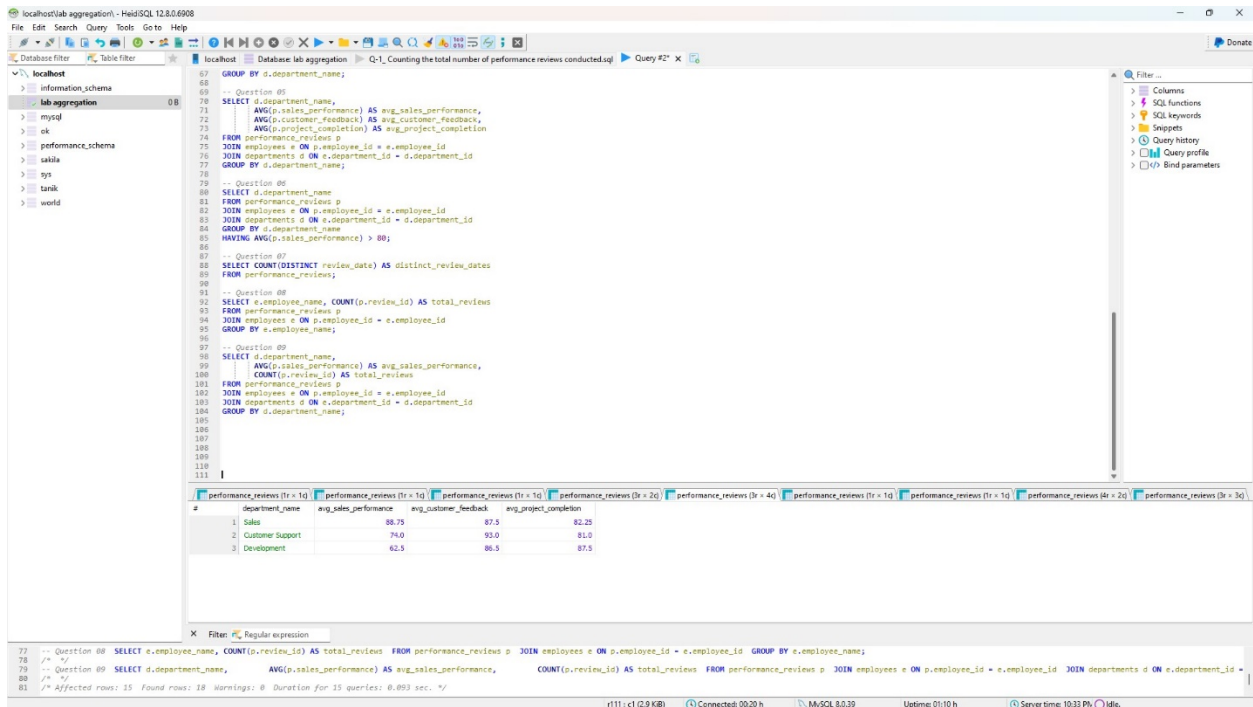
#	highest_feedback
1	95

```
77   -- Question 08  SELECT e.employee_name, COUNT(p.review_id) AS total_reviews  FROM performance_reviews p  JOIN employees e ON p.employee_id = e.employee_id  GROUP BY e.employee_name;
78   /* */
79   -- Question 09  SELECT d.department_name,           AVG(p.sales_performance) AS avg_sales_performance,           COUNT(p.review_id) AS total_reviews  FROM performance_reviews p  JOIN employees e ON p.employee_id = e.employee_id  JOIN departments d ON e.department_id =
```
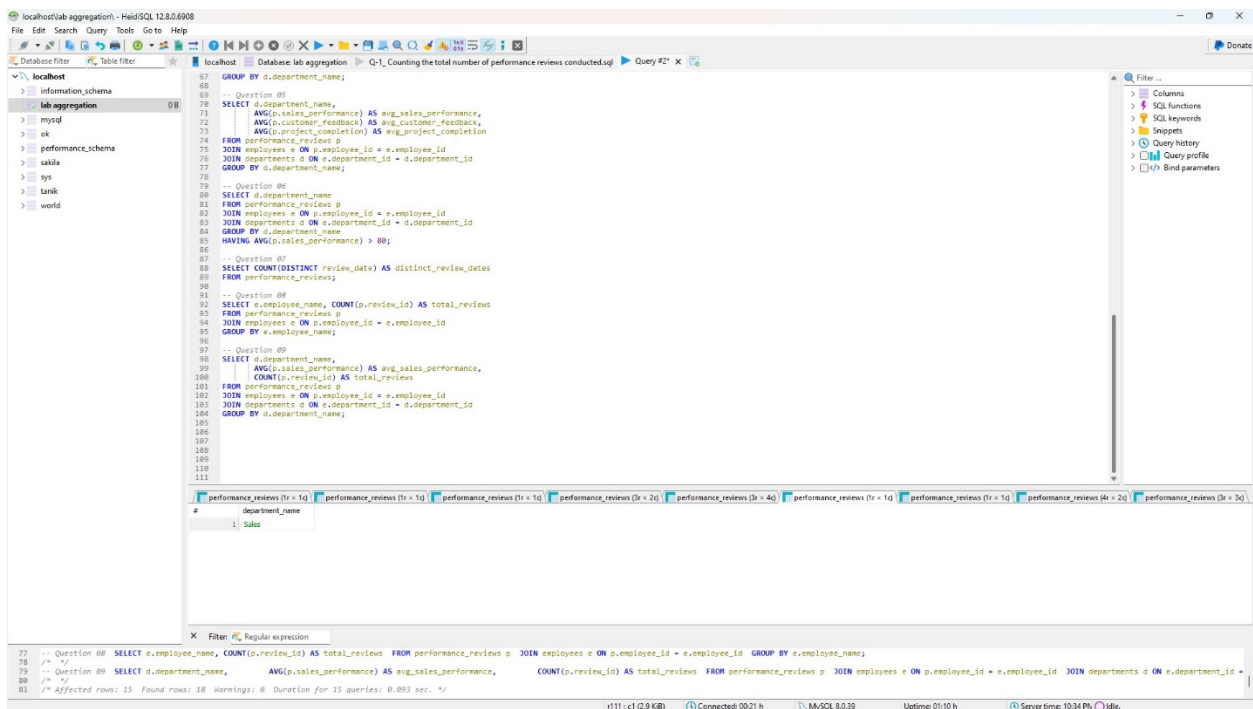
Question 04:


```
67    GROUP BY d.department_name;
68
69    -- Question 05
70    SELECT d.department_name,
71           AVG(p.sales_performance) AS avg_sales_performance,
72           AVG(p.customer_feedback) AS avg_customer_feedback,
73           AVG(p.project_completion) AS avg_project_completion
74    FROM performance_reviews p
75    JOIN employees e ON p.employee_id = e.employee_id
76    JOIN departments d ON e.department_id = d.department_id
77    GROUP BY d.department_name;
78
79    -- Question 06
80    SELECT d.department_name
81    FROM performance_reviews p
82    JOIN employees e ON p.employee_id = e.employee_id
83    JOIN departments d ON e.department_id = d.department_id
84    GROUP BY d.department_name
85    HAVING AVG(p.sales_performance) > 80;
86
87    -- Question 07
88    SELECT COUNT(DISTINCT review_date) AS distinct_review_dates
89    FROM performance_reviews;
90
91    -- Question 08
92    SELECT e.employee_name, COUNT(p.review_id) AS total_reviews
93    FROM performance_reviews p
94    JOIN employees e ON p.employee_id = e.employee_id
95    GROUP BY e.employee_name;
96
97    -- Question 09
98    SELECT d.department_name,
99           AVG(p.sales_performance) AS avg_sales_performance,
100          COUNT(p.review_id) AS total_reviews
101   FROM performance_reviews p
102   JOIN employees e ON p.employee_id = e.employee_id
103   JOIN departments d ON e.department_id = d.department_id
104   GROUP BY d.department_name;
105
106
107
108
109
110
111
```

#	department_name	total_project_completion
1	Sales	329
2	Customer Support	162
3	Development	175

```
77   -- Question 08  SELECT e.employee_name, COUNT(p.review_id) AS total_reviews  FROM performance_reviews p  JOIN employees e ON p.employee_id = e.employee_id  GROUP BY e.employee_name;
78   /* */
79   -- Question 09  SELECT d.department_name,           AVG(p.sales_performance) AS avg_sales_performance,           COUNT(p.review_id) AS total_reviews  FROM performance_reviews p  JOIN employees e ON p.employee_id = e.employee_id  JOIN departments d ON e.department_id =
80   /* */
81   /* Affected rows: 15  Found rows: 18  Warnings: 0  Duration for 15 queries: 0.093 sec. */
```

Question 05:

Question 06:

Question 07:

Question 08:

Question 09 :