

Name :-

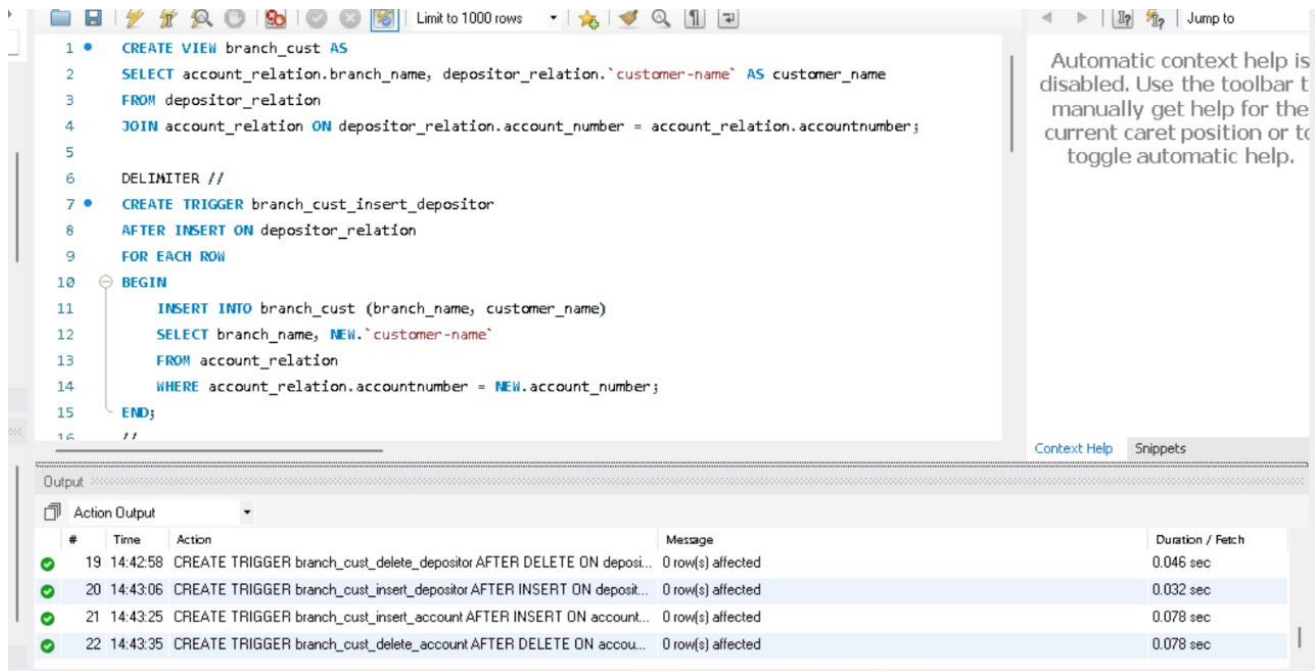
Purval Madhukar Bhude

Roll No. S20230010193

Subject :- DBMS

Lab Assignment 10

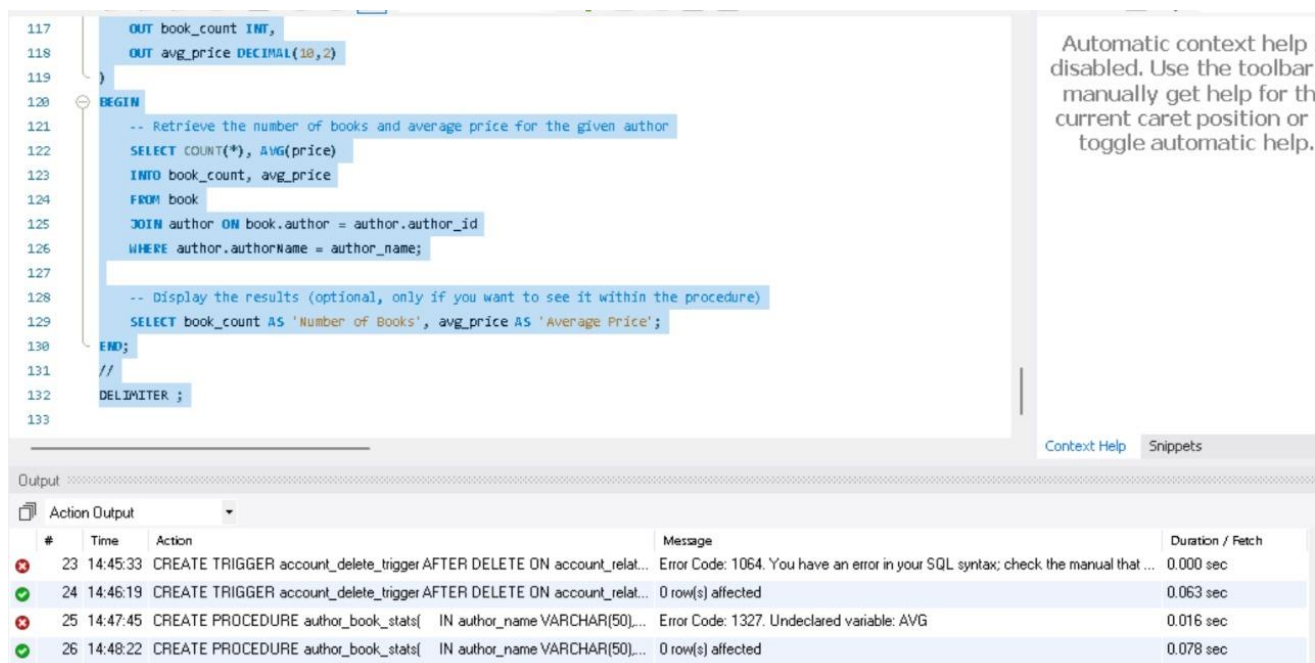
QUESTION 1 & 2



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

```
1 CREATE VIEW branch_cust AS
2 SELECT account_relation.branch_name, depositor_relation.`customer-name` AS customer_name
3 FROM depositor_relation
4 JOIN account_relation ON depositor_relation.account_number = account_relation.accountnumber;
5
6 DELIMITER //
7 CREATE TRIGGER branch_cust_insert_depositor
8 AFTER INSERT ON depositor_relation
9 FOR EACH ROW
10 BEGIN
11     INSERT INTO branch_cust (branch_name, customer_name)
12     SELECT branch_name, NEW.`customer-name`
13     FROM account_relation
14     WHERE account_relation.accountnumber = NEW.account_number;
15 END;
16 //
```

#	Time	Action	Message	Duration / Fetch
✓ 19	14:42:58	CREATE TRIGGER branch_cust_delete_depositor AFTER DELETE ON deposi...	0 row(s) affected	0.046 sec
✓ 20	14:43:06	CREATE TRIGGER branch_cust_insert_depositor AFTER INSERT ON deposi...	0 row(s) affected	0.032 sec
✓ 21	14:43:25	CREATE TRIGGER branch_cust_insert_account AFTER INSERT ON account...	0 row(s) affected	0.078 sec
✓ 22	14:43:35	CREATE TRIGGER branch_cust_delete_account AFTER DELETE ON accou...	0 row(s) affected	0.078 sec



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```
117 OUT book_count INT,
118 OUT avg_price DECIMAL(10,2)
119 )
120 BEGIN
121     -- Retrieve the number of books and average price for the given author
122     SELECT COUNT(*), AVG(price)
123     INTO book_count, avg_price
124     FROM book
125     JOIN author ON book.author = author.author_id
126     WHERE author.authorName = author_name;
127
128     -- Display the results (optional, only if you want to see it within the procedure)
129     SELECT book_count AS 'Number of Books', avg_price AS 'Average Price';
130 END;
131 //
132 DELIMITER ;
133
```

#	Time	Action	Message	Duration / Fetch
✗ 23	14:45:33	CREATE TRIGGER account_delete_trigger AFTER DELETE ON account_relat...	Error Code: 1064. You have an error in your SQL syntax; check the manual that ...	0.000 sec
✓ 24	14:46:19	CREATE TRIGGER account_delete_trigger AFTER DELETE ON account_relat...	0 row(s) affected	0.063 sec
✗ 25	14:47:45	CREATE PROCEDURE author_book_stats(IN author_name VARCHAR(50)...	Error Code: 1327. Undeclared variable: AVG	0.016 sec
✓ 26	14:48:22	CREATE PROCEDURE author_book_stats(IN author_name VARCHAR(50)...	0 row(s) affected	0.078 sec

// QUESTION 3

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

```
64 BEGIN
65     DECLARE account_count INT;
66     DECLARE customer_name VARCHAR(255);
67
68     -- Declare a cursor to loop through each customer linked to the deleted account
69     DECLARE customer_cursor CURSOR FOR
70         SELECT 'customer-name' FROM depositor_relation WHERE account_number = OLD.accountnumber;
71
72     -- Declare a handler for the end of the cursor
73     DECLARE CONTINUE HANDLER FOR NOT FOUND SET account_count = NULL;
74
75     -- Open the cursor
76     OPEN customer_cursor;
77
78     -- Loop through each customer associated with the deleted account
79     customer_loop: LOOP
80         -- Fetch each customer associated with the deleted account
```

Context Help Snippets

Output

Action Output

#	Time	Action	Message	Duration / Fetch
21	14:43:25	CREATE TRIGGER branch_cust_insert_account AFTER INSERT ON account...	0 row(s) affected	0.078 sec
22	14:43:35	CREATE TRIGGER branch_cust_delete_account AFTER DELETE ON accou...	0 row(s) affected	0.078 sec
23	14:45:33	CREATE TRIGGER account_delete_trigger AFTER DELETE ON account_relat...	Error Code: 1064. You have an error in your SQL syntax; check the manual that ...	0.000 sec
24	14:46:19	CREATE TRIGGER account_delete_trigger AFTER DELETE ON account_relat...	0 row(s) affected	0.063 sec

```
185 • CALL author_book_stats('Kraig Muller', @book_count, @avg_price);
186 • SELECT @book_count AS 'Number of Books', @avg_price AS 'Average Price';
187
188
189
```

Result Grid



Filter Rows:

Export:



Wrap Cell Content:

	Number of Books	Average Price
▶	2	775.00

```

117     OUT book_count INT,
118     OUT avg_price DECIMAL(10,2)
119 )
120 BEGIN
121     -- Retrieve the number of books and average price for the given author
122     SELECT COUNT(*), AVG(price)
123     INTO book_count, avg_price
124     FROM book
125     JOIN author ON book.author = author.author_id
126     WHERE author.authorName = author_name;
127
128     -- Display the results (optional, only if you want to see it within the procedure)
129     SELECT book_count AS 'Number of Books', avg_price AS 'Average Price';
130 END;
131 //
132 DELIMITER ;
133

```

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[Context Help](#) [Snippets](#)

Output

Action Output				
#	Time	Action	Message	Duration / Fetch
23	14:45:33	CREATE TRIGGER account_delete_trigger AFTER DELETE ON account_relat...	Error Code: 1064. You have an error in your SQL syntax; check the manual that ...	0.000 sec
24	14:46:19	CREATE TRIGGER account_delete_trigger AFTER DELETE ON account_relat...	0 row(s) affected	0.063 sec
25	14:47:45	CREATE PROCEDURE author_book_stats(IN author_name VARCHAR(50)...	Error Code: 1327. Undeclared variable: AVG	0.016 sec
26	14:48:22	CREATE PROCEDURE author_book_stats(IN author_name VARCHAR(50)...	0 row(s) affected	0.078 sec