

DBMS LAB 9

Name: Nikhil Kumarswami Charantimath
SRN: PES1UG22AM106

Task 1)

1.

```
PES1UG22AM106>DELIMITER $$
PES1UG22AM106>
PES1UG22AM106>CREATE PROCEDURE GetEventHeadDetails(IN eventID VARCHAR(5))
-> BEGIN
-> SELECT
->     t.team_id AS organizing_team_id,
->     t.team_name AS organizing_team_name,
->     m.mem_id AS team_head_id,
->     m.mem_name AS team_head_name,
->     f.fest_name AS fest_name,
->     f.head_teamID AS fest_head_team_id,
->     hm.mem_id AS head_team_head_id,
->     hm.mem_name AS head_team_head_name
-> FROM
->     event e
-> JOIN
->     team t ON e.team_id = t.team_id
-> JOIN
->     member m ON t.team_id = m.team_id AND m.mem_id = (
->         SELECT mem_id
->         FROM member
->         WHERE team_id = t.team_id
->         AND super_memID IS NULL
->         LIMIT 1
->     )
-> JOIN
->     fest f ON t.fest_id = f.fest_id
-> LEFT JOIN
->     team ht ON f.head_teamID = ht.team_id
-> LEFT JOIN
->     member hm ON ht.team_id = hm.team_id AND hm.mem_id = (
->         SELECT mem_id
->         FROM member
->         WHERE team_id = ht.team_id
->         AND super_memID IS NULL
->         LIMIT 1
->     )
-> WHERE
->     e.event_id = eventID;
-> END $$
Query OK, 0 rows affected (0.05 sec)
```

```
PES1UG22AM106>
PES1UG22AM106>DELIMITER ;
PES1UG22AM106>call GetEventHeadDetails('E5');
```

organizing_team_id	organizing_team_name	team_head_id	team_head_name	fest_name	fest_head_team_id	head_team_head_id	head_team_head_name
T4	Techno	M22	Daniel Clark	Atmatrisha	T1	M1	John Doe

1 row in set (0.02 sec)

Query OK, 0 rows affected (0.02 sec)

```
PES1UG22AM106>
```

2.

```
PES1UG22AM106>
PES1UG22AM106>CREATE PROCEDURE GetVegOrNonVegItems (
  ->   IN input_stall_id VARCHAR(10), -- Adjusted to VARCHAR(10) to match expected stall_id size
  ->   IN input_item_type VARCHAR(7)
  -> )
  -> BEGIN
  ->   -- Check for valid item types
  ->   IF input_item_type NOT IN ('Veg', 'Non-Veg') THEN
  ->     SIGNAL SQLSTATE '45000'
  ->     SET MESSAGE_TEXT = 'Invalid item type. Valid values are Veg or Non-Veg';
  ->   ELSE
  ->     -- Handle Veg items
  ->     IF input_item_type = 'Veg' THEN
  ->       SELECT
  ->         si.item_name AS `Veg items`
  ->       FROM
  ->         stall_items si
  ->       JOIN
  ->         item i ON si.item_name = i.name
  ->       WHERE
  ->         si.stall_id = input_stall_id AND i.type = 'Veg';
  ->     -- Handle Non-Veg items
  ->     ELSEIF input_item_type = 'Non-Veg' THEN
  ->       SELECT
  ->         si.item_name AS `Non veg items`
  ->       FROM
  ->         stall_items si
  ->       JOIN
  ->         item i ON si.item_name = i.name
  ->       WHERE
  ->         si.stall_id = input_stall_id AND i.type = 'Non-Veg';
  ->     END IF;
  ->   END IF;
  -> END $$
```

Query OK, 0 rows affected (0.01 sec)

```
PES1UG22AM106>
PES1UG22AM106>DELIMITER ;
PES1UG22AM106>CALL GetVegOrVegItems('S1','Veg');
ERROR 1305 (42000): PROCEDURE fest_database.GetVegOrVegItems does not exist
PES1UG22AM106>call GetVegOrNonVegItems('S1','veg');
```

```
+-----+
| Veg items |
+-----+
| Caprese Salad |
| Classic Caesar Salad |
| Margherita Pizza |
| Mushroom Risotto |
| Spinach and Feta Omelette |
| Vegetable Pad Thai |
| Vegetable Stir-Fry |
| Veggie Wrap |
+-----+
```

8 rows in set (0.02 sec)

Query OK, 0 rows affected (0.02 sec)

```
PES1UG22AM106>
```

```

PES1UG22AM106>CREATE PROCEDURE GetVegOrNonVegItems (
->     IN stall_id VARCHAR(5),
->     IN type VARCHAR(10)
-> )
-> BEGIN
->     IF type NOT IN ('veg', 'non-veg') THEN
->         SELECT 'Invalid item type. Please enter either "veg" or "non-veg".' AS ErrorMessage;
ERROR 1064 (42000): You have an error in your SQL syntax; check the manual that corresponds to your MySQL server version for the right syntax to use near '' at line 7
PES1UG22AM106>     ELSE
->         SELECT
->             si.item_name AS ItemName
->         FROM
->             stall_items si
->         JOIN
->             item i ON si.item_name = i.name
->         WHERE
->             si.stall_id = stall_id
->             AND i.type = type;
ERROR 1064 (42000): You have an error in your SQL syntax; check the manual that corresponds to your MySQL server version for the right syntax to use near 'ELSE
SELECT
si.item_name AS ItemName
FROM
' at line 1
PES1UG22AM106>     END IF;
ERROR 1064 (42000): You have an error in your SQL syntax; check the manual that corresponds to your MySQL server version for the right syntax to use near 'END IF' at line 1
PES1UG22AM106>END $$
-> Query OK, 0 rows affected (0.01 sec)
->
-> DELIMITER ;
ERROR 1064 (42000): You have an error in your SQL syntax; check the manual that corresponds to your MySQL server version for the right syntax to use near 'END $$
Query OK, 0 rows affected (0.01 sec)

DELIMITER' at line 1
PES1UG22AM106>call GetVegOrNonVegItems('S2','non-veg');
+-----+
| Non veg items |
+-----+
| Chicken Noodle Soup |
| Fish Tacos |
+-----+
1 rows in set (0.04 sec)

Query OK, 0 rows affected (0.04 sec)

PES1UG22AM106>

```

3.

```

PES1UG22AM106>CREATE FUNCTION GetEventRevenue (
->     input_fest_id VARCHAR(5)
-> )
-> RETURNS DECIMAL(10,2)
-> DETERMINISTIC
-> BEGIN
->     DECLARE total_revenue DECIMAL(10,2);
->
->     SELECT COALESCE(SUM(e.price), 0) INTO total_revenue
->     FROM event e
->     JOIN team t ON e.team_id = t.team_id
->     WHERE t.fest_id = input_fest_id;
->
->     RETURN total_revenue;
-> END $$

```

Query OK, 0 rows affected (0.07 sec)

```

PES1UG22AM106>
PES1UG22AM106>DELIMITER ;
PES1UG22AM106>select geteventrevenue('F101')as total_revenue;
+-----+
| total_revenue |
+-----+
|          2870.00 |
+-----+
1 row in set (0.02 sec)

```

PES1UG22AM106> █

4.

```
PES1UG22AM106>DELIMITER $$
PES1UG22AM106>CREATE FUNCTION GetStallSales (
    -> input_fest_id VARCHAR(5)
    -> )
    -> RETURNS DECIMAL(10,2)
    -> DETERMINISTIC
    -> BEGIN
    -> DECLARE total_sales DECIMAL(10,2) DEFAULT 0;
    ->
    -> SELECT COALESCE(SUM(si.price_per_unit * si.total_quantity), 0)
    -> INTO total_sales
    -> FROM stall s
    -> JOIN stall_items si ON s.stall_id = si.stall_id
    -> WHERE s.fest_id = input_fest_id;
    ->
    -> RETURN total_sales;
    -> END $$
Query OK, 0 rows affected (0.07 sec)

PES1UG22AM106>DELIMITER ;
PES1UG22AM106>select getstallsales('F101')as total_stall_sales;
+-----+
| total_stall_sales |
+-----+
|          373015.75 |
+-----+
1 row in set (0.02 sec)
```

5.

```
PES1UG22AM106>CREATE VIEW FestOverview AS
    -> SELECT
    ->     f.fest_id,
    ->     f.fest_name,
    ->     f.year,
    ->     COUNT(DISTINCT t.team_id) AS num_teams,
    ->     COUNT(DISTINCT e.event_id) AS num_events,
    ->     COUNT(DISTINCT s.stall_id) AS num_stalls,
    ->     COUNT(DISTINCT m.mem_id) AS num_participants,
    ->     COALESCE(SUM(si.price_per_unit * si.total_quantity), 0) AS stall_sales,
    ->     COALESCE(SUM(e.price), 0) AS event_revenue
    -> FROM
    ->     fest f
    -> LEFT JOIN
    ->     team t ON f.fest_id = t.fest_id
    -> LEFT JOIN
    ->     event e ON t.team_id = e.team_id
    -> LEFT JOIN
    ->     stall s ON f.fest_id = s.fest_id
    -> LEFT JOIN
    ->     stall_items si ON s.stall_id = si.stall_id
    -> LEFT JOIN
    ->     member m ON t.team_id = m.team_id
    -> GROUP BY
    ->     f.fest_id, f.fest_name, f.year;
    -> DELIMITER ;
    ->
    -> $$
Query OK, 0 rows affected (0.06 sec)

ERROR 1064 (42000): You have an error in your SQL syntax; check the manual that corresponds to your MySQL server version for the right syntax to use near 'DELIMITER' at line 1
PES1UG22AM106>select getstallsales('F101')as total_stall_sales;
    -> $$
+-----+
| total_stall_sales |
+-----+
|          373015.75 |
+-----+
1 row in set (0.01 sec)

PES1UG22AM106>DELIMITER ;
PES1UG22AM106>
```

```
PES1UG22AM106>DELIMITER ;
```

```
PES1UG22AM106>select * from Festoverview;
```

fest_id	fest_name	year	num_teams	num_events	num_stalls	num_participants	stall_sales	event_revenue
F101	Atmatrisha	2023	4	8	4	26	27603165.50	688800.00
F102	Samarpana	2022	5	12	3	34	18828462.00	479360.00
F201	Graduation	2022	3	4	2	8	5350325.00	234000.00
F202	Annual day	2021	3	7	0	16	0.00	27760.00

```
4 rows in set (0.08 sec)
```

```
PES1UG22AM106>
```