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Subject: DBSL Assignment 04 (Part -2)

Code:

```
CREATE TABLE areas (  
    rad DECIMAL(5, 2),  
    area DECIMAL(8, 2)  
);  
  
DELIMITER //  
  
CREATE PROCEDURE calculate_area (  
    IN rad DECIMAL(5, 2)  
)  
  
BEGIN  
  
    DECLARE area DECIMAL(8, 2) DEFAULT 0.0;  
  
    IF (rad > 4 AND rad < 10) THEN  
        SET area = (SELECT PI()) * rad * rad;  
  
        INSERT INTO areas(rad, area)  
        VALUES(rad, area);  
    ELSE  
        SELECT "Radius value should be between 5 and 9." AS "MSG";  
    END IF;  
  
END //  
  
DELIMITER ;
```

Output:

```

mysql>
mysql> select * from areas;
Empty set (0.01 sec)

mysql> call calculate_area(6);
Query OK, 1 row affected (0.01 sec)

ogest mysql> select * from areas;
+-----+-----+
| rad  | area |
+-----+-----+
| 6.00 | 113.10 |
+-----+-----+
1 row in set (0.00 sec)

mysql> call calculate_area(3);
+-----+-----+
1102 | MSG |
+-----+-----+
| Radius value should be between 5 and 9. |
+-----+-----+
1 row in set (0.00 sec)

Query OK, 0 rows affected (0.01 sec)

mysql> select * from areas;
+-----+-----+
1122 | rad  | area |
+-----+-----+
| 6.00 | 113.10 |
+-----+-----+
1 row in set (0.00 sec)

```