

P1

Problem Statement:

PL/SQL block: calculate area of circle for radius 5..9 and store in table areas (radius, area). (Converted to MySQL-compatible statements using a loop via stored procedure if needed.)

Code:

```
-- P1: Store areas for radius 5..9 (MySQL)
CREATE TABLE areas (
    radius INT PRIMARY KEY,
    area DOUBLE
);

-- Using a stored procedure to insert values
DELIMITER $$

CREATE PROCEDURE fill_areas()
BEGIN
    DECLARE r INT DEFAULT 5;
    WHILE r <= 9 DO
        INSERT INTO areas(radius, area) VALUES (r, PI() * r * r)
        ON DUPLICATE KEY UPDATE area = VALUES(area);
        SET r = r + 1;
    END WHILE;
END$$
DELIMITER ;

-- Call procedure
CALL fill_areas();
```