

**PL/Sql-1** Write a PL/SQL code block to calculate the area of a circle for a value of radius varying from 5 to 9. Store the radius and the corresponding values of calculated area in an empty table named areas, consisting of two columns, radius and area.

```
CREATE TABLE areas (  
    radius INT NOT NULL,  
    area    DOUBLE  
);  
  
DELIMITER //  
  
CREATE PROCEDURE populate_areas()  
BEGIN  
    DECLARE r INT DEFAULT 5;  
    DECLARE a DOUBLE;  
  
    WHILE r <= 9 DO  
        SET a = PI() * r * r;  
        INSERT INTO areas(radius, area) VALUES (r, a);  
        SET r = r + 1;  
    END WHILE;  
END //  
  
CALL populate_areas();  
  
SELECT * FROM areas;  
  
//
```