create database plsql2; use plsql2;

CREATE TABLE assignment\_3b( radius varchar(20), area varchar(20));

DELIMITER //

CREATE PROCEDURE calculate\_area()

BEGIN

DECLARE radius\_var INT;

DECLARE area\_var DECIMAL(10, 2);

DECLARE pi DECIMAL(10, 2) DEFAULT 3.14;

SET radius\_var = 5;

WHILE radius\_var <= 9 DO

SET area\_var = pi \* radius\_var \* radius\_var;

-- Insert calculated values into the table

INSERT INTO assignment\_3b (radius, area) VALUES (radius\_var, area\_var);

-- Increment radius\_var for next itera on

SET radius\_var = radius\_var + 1;

END WHILE;

END //

CALL calculate\_area();

select \* from assignment\_3b;

OUTPUT:- o\_rollcall

|  |  |
| --- | --- |
| # radius | area |
| 5 | 78.50 |
| 6 | 113.04 |
| 7 | 153.86 |
| 8 | 200.96 |
| 9 | 254.34 |