

PL/SQL Stored Procedure Problem Statements

1. Procedure without parameters to retrieve customers with age > 25

```
CREATE TABLE CUSTOMERS (  
    ID INT,  
    NAME VARCHAR(50),  
    AGE INT,  
    ADDRESS VARCHAR(100),  
    SALARY DECIMAL(10, 2)  
);  
  
-- Insert sample data  
INSERT INTO CUSTOMERS VALUES (1, 'Alice', 30, 'Pune', 50000);  
INSERT INTO CUSTOMERS VALUES (2, 'Bob', 22, 'Mumbai', 40000);  
INSERT INTO CUSTOMERS VALUES (3, 'Charlie', 28, 'Delhi', 60000);  
  
DELIMITER //  
CREATE PROCEDURE GetCustomerInfo()  
BEGIN  
    SELECT * FROM CUSTOMERS WHERE AGE > 25;  
END //  
DELIMITER ;
```

2. Procedure with input parameter to get customer details

```
DELIMITER //  
CREATE PROCEDURE GetCustomerInfo(IN cust_id INT)  
BEGIN  
    SELECT * FROM CUSTOMERS WHERE ID = cust_id;  
END //  
DELIMITER ;
```

3. Procedure with input and output parameter to return salary

```
DELIMITER //  
CREATE PROCEDURE GetCustomerInfo(IN cust_id INT, OUT Cust_Salary DECIMAL(10,2))
```

BEGIN

SELECT SALARY INTO Cust_Salary FROM CUSTOMERS WHERE ID = cust_id;

END //

DELIMITER ;

4. Procedure with IN and INOUT to update salary by 10%

DELIMITER //

CREATE PROCEDURE GetCustomerInfo(IN cust_id INT, INOUT salary DECIMAL(10,2))

BEGIN

SELECT SALARY INTO salary FROM CUSTOMERS WHERE ID = cust_id;

SET salary = salary + (salary * 0.10);

END //

DELIMITER ;