



DEPARTMENT OF COMPUTER SCIENCE & ENGINEERING

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Experiment 1.4

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Section/Group: 608-A

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Subject Name:DBMS

Subject Code: 23CSH-205

1. Aim:

Q1: A pharmacy tracks medicine stock levels:

MedicineID	Name	Quantity	ExpiryDate	Price
201	Paracetamol	50	2026-01-01	5
202	Ibuprofen	20	2025-12-10	8
203	Aspirin	5	2024-06-30	6

- Write a PL/SQL block using an **explicit cursor** to display medicines with a quantity below 10 and expiring within a year.

Q2: A school tracks high-achieving students:

StudentID	Name	Class	Marks	Participation
101	Rohan	10	95	Yes
102	Kiran	10	85	No
103	Priya	10	90	Yes

- Create a view named StarStudents_View to display students scoring above 90 who have participated in extracurricular activities.

Q3: Create a procedure BoostMarks that increases marks by 5% for students who have participated in extracurricular activities.

2. Objective: To Write PL/SQL using cursor

3. DBMS script and output:

```
DECLARE
  CURSOR med_cursor IS
    SELECT Name, Quantity, ExpiryDate
    FROM Medicines
    WHERE Quantity < 10 AND ExpiryDate < ADD_MONTHS(SYSDATE, 12);

  v_name Medicines.Name%TYPE;
  v_qty Medicines.Quantity%TYPE;
  v_expiry Medicines.ExpiryDate%TYPE;
BEGIN
  OPEN med_cursor;
```



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```
LOOP
    FETCH med_cursor INTO v_name, v_qty, v_expiry;
    EXIT WHEN med_cursor%NOTFOUND;
    DBMS_OUTPUT.PUT_LINE('Name: ' || v_name || ', Quantity: ' || v_qty || ', Expiry: ' || v_expiry);
END LOOP;
CLOSE med_cursor;
END;

--Q2
CREATE VIEW StarStudents_View AS
SELECT *
FROM Students
WHERE Marks > 90 AND Participation = 'Yes';

--Q3
CREATE OR REPLACE PROCEDURE BoostMarks IS
BEGIN
    UPDATE Students
    SET Marks = Marks * 1.05
    WHERE Participation = 'Yes';
    COMMIT;
END;
```

```
Name: Aspirin, Quantity: 5, Expiry: 30-JUN-2024
```

StudentID	Name	Class	Marks	Participation
101	Rohan	10	95	Yes

StudentID	Name	Class	Marks	Participation
101	Rohan	10	99.75	Yes
102	Kiran	10	85	No
103	Priya	10	94.5	Yes