

**Ahsanullah University of Science and Technology (AUST)**

Department of Computer Science and Engineering

Course No: CSE4126

Course Title: Distributed Database Systems Lab

**Assignment No: 02**

Question: Categorize and print the students into 3 categories according to their levels: Freshman (1), Junior(2) and Senior (3). Print their ID, names and categories.

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Section: A1

**Question: Categorize and print the students into 3 categories according to their levels: Freshman (1), Junior (2) and Senior (3). Print their ID, names and categories.**

**Solution with PL/SQL:**

SET SERVEROUTPUT ON;

DECLARE

D VARCHAR2(20):='-';

E VARCHAR2(20):='FRESHMAN';

F VARCHAR2(20):='JUNIOR';

G VARCHAR2(20):='SENIOR';

BEGIN

FOR I IN (SELECT SNUM, SNAME, SLEVEL FROM STUDENT)

LOOP

CASE

WHEN I.SLEVEL=1 THEN

DBMS\_OUTPUT.PUT(I.SNUM);

DBMS\_OUTPUT.PUT(D);

DBMS\_OUTPUT.PUT(I.SNAME);

DBMS\_OUTPUT.PUT(D);

DBMS\_OUTPUT.PUT(E);

DBMS\_OUTPUT.NEW\_LINE;

WHEN I.SLEVEL=2 THEN

DBMS\_OUTPUT.PUT(I.SNUM);

DBMS\_OUTPUT.PUT(D);

DBMS\_OUTPUT.PUT(I.SNAME);

DBMS\_OUTPUT.PUT(D);

DBMS\_OUTPUT.PUT(F);

DBMS\_OUTPUT.NEW\_LINE;

ELSE

DBMS\_OUTPUT.PUT(I.SNUM);

DBMS\_OUTPUT.PUT(D);

DBMS\_OUTPUT.PUT(I.SNAME);

DBMS\_OUTPUT.PUT(D);

DBMS\_OUTPUT.PUT(G);

DBMS\_OUTPUT.NEW\_LINE;

END CASE;

END LOOP;

END;

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