**CODING SNIPPET:**

**--**1**.** Create a table myemp for the following specification.

CREATE TABLE

MYEMP(ENO INTEGER(4) NOT NULL PRIMARY KEY,

ENAME VARCHAR(30) NOT NULL ,

ESAL DECIMAL(8,2) ,

DEPTNO INTEGER(4)NOT NULL );

Load the table with any 5 records and do the following

INSERT INTO MYEMP VALUES(101,'SHINY',25000,222,2,678),

(102,'DEV',5000,223,3,78),

(103,'KUMAR',45000,224,4,0),

(104,'DEEPA',57000,225,5,0),

(105,'DEV',4000,223,6,677);

1. Add a new column experience with number datatype and with not null constraint.

ALTER TABLE MYEMP ADD EXPERIENCE INTEGER(2) NOT NULL;

1. update esal column of the table with null values whose esal value is between 5000-10000.

UPDATE MYEMP SET EXPERIENCE=0 WHERE ESAL=5000;

--2.Add a new column comm in myemp with some null and not null values.

ALTER TABLE MYEMP ADD COMM INTEGER(4) NOT NULL;

Create a new table ‘empcommnul’ by moving all null value-based rows from myemp to empcommnull.

CREATE TABLE EMPCOMMNUL AS SELECT \* FROM MYEMP WHERE COMM=0;

--3. In myemp table, based on the following scenario, “Employees can work in one or more department”. Make suitable changes in the structure to accommodate the above said scenario based values.

INSERT INTO MYEMP VALUES(101,'SHINY',25000,222,2,678),

(102,'DEV',5000,223,3,78),

(103,'KUMAR',45000,224,4,0),

(104,'DEEPA',57000,225,5,0),

(105,'DEV',4000,223,6,677);

--5. Write any PL/SQL block which handles others exception in which reflects the error code and error message of the occurring exception.

CREATE TABLE DEPART3

(DEPART\_ID NUMBER(4) NOT NULL PRIMARY KEY,

DEPART\_NAME VARCHAR(30)NOT NULL ,

MANAGER\_ID NUMBER (6) UNIQUE

);

INSERT INTO DEPART3 VALUES(10,'Purchase ',123);

INSERT INTO DEPART3 VALUES(20,'Inventory ',345);

INSERT INTO DEPART3 VALUES(30,'Sales',567);

INSERT INTO DEPART3 VALUES(40,'Materials ',789);

INSERT INTO DEPART3 VALUES(50,'Production ',911);

DECLARE

d\_id depart3.depart\_id%type := 5;

d\_name depart3.depart\_name%type;

d\_mid depart3.manager\_id%type;

BEGIN

SELECT depart\_id,depart\_name,manager\_id into d\_id,d\_name,d\_mid from depart3

WHERE depart\_id=d\_id;

DBMS\_OUTPUT.PUT\_LINE ('Dept Id: '|| d\_id);

DBMS\_OUTPUT.PUT\_LINE ('Dept Name: '|| d\_name);

DBMS\_OUTPUT.PUT\_LINE ('Manager Id: ' || d\_mid);

EXCEPTION

WHEN no\_data\_found THEN

dbms\_output.put\_line('No such Record with Dept\_Id =5!');

WHEN others THEN

dbms\_output.put\_line('Error!');

END;

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-- Create a table EBILL for the following specification.

CREATE TABLE

EBILL(ECNO VARCHAR(10) NOT NULL PRIMARY KEY,

CNAME VARCHAR(30) NOT NULL ,

NOUNITS INTEGER(4) NOT NULL,

BAMT DECIMAL(8,2));

INSERT INTO EBILL VALUES(120,'SWEETY',234),

(121,'SHARON',256),

(122,'DEV',789),

(123,'KIRAN',444),

(124,'RAM',267);