**PL\SQL Practice Assignment - Cursor**

**Exercise-1:**

Create tables as follow:

Competition (Comp\_code, Comp\_name )

Participants (Part\_no, Part\_name, DOB, Address, EmailID, Contact\_number )

Scorecard (Part\_no, Comp\_code, Judge\_no ,Marks) [F.K. Part\_No and Comp\_Code]

Create a Competition wise participants’ report using PL/SQL Cursor.

Competition Name Participants’ Name Marks

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**Exercise-2:**

Create following Tables:

Employee\_master(EmpCode , Emp\_Name , Dept\_Id, Emp\_Address , DOB , Basic\_Salary)

Department\_master(Dept\_Code ,Dept\_Name)

Create a PL/ SQL Cursor to prepare the salary slip for the employee in the following format, whose Employee Code is provided by the user.

Salary Slip for the month <current month and year>

Employee Code: <E102> Employee Name: <John Smith>

Department Name: <Finance>

Basic Salary DA HRA Medical P.F.

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Total Salary: \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

Note:

HRA is 15% of basic salary

DA is 30% of basic salary

Medical is 1% of basic salary

P.F. is 10% of basic salary

**Exercise-3:**

Create Following Tables:

Movie (movie\_id, movie\_name, date\_of\_release)

Screen (screen\_id, location, max\_capacity)

Current (movie\_id,screen\_id, date\_of\_arrival, date\_of\_closure)

Write a cursor that displays the details of all the movies in following format:

Movie Name Date of Release Screen ID

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**Exercise-4:**

Create Following Tables:

Sailor (sid, sname, rating (0-10), DOB)

Boat (bid, bname, color)

Reserve (sid, bid, date)

Write a cursor to prepare a report in following format:

RESERVE DATE SAILOR NAME BOAT NAME

**Exercise-5, 6, 7, 8, 9, 10, 11, 12:**

Create Following Tables:

CREATE TABLE Salespeople

(

  snum   integer PRIMARY KEY,

  sname CHAR(10) NOT NULL,

  city      CHAR(10),

  comm  NUMBER(10,2)

);

CREATE TABLE Customers

(

  cnum   integer PRIMARY KEY,

  cname char(10) NOT NULL,

  city      CHAR(10),

  rating  INTEGER,

  snum integer REFERENCES Salespeople

);

CREATE TABLE orders

(

  onum   integer PRIMARY KEY,

  amt      DECIMAL,

  odate   DATE NOT NULL,

  cnum   INTEGER NOT NULL,

  snum   INTEGER NOT NULL,

  FOREIGN KEY (snum) REFERENCES Salespeople,

  FOREIGN KEY (cnum) REFERENCES Customers

);

**Exercise-5:**

Display the names of all salespeople and the no of customers they have.

cursor cr is select sname , count(cnum) from salespeople ,customers c where c.snum = s.snum group by sname;

**Exercise-6:**

Update the salespeople , Customers table. If initials of the names of salespeople and city are not in capitals make them in capitals.

cursor cr1 is select cname , city from customers;

cursor cr2 is select sname , city from salespeople;

**Exercise-7:**

The name of the city ‘Berlin’ has been changed to ‘Frantica’. Update the city name to ‘Frantica’ at all places.

cursor cr1 is select city into scity from salespeople ;

cursor cr2 is select city into ccity from customers ;

**Exercise-8:**

Implement a PL/SQL block using cursor variables to simply display first n Salesman having comm. > = 0.1

cursor cs is select \* from xsalespeople where comm > 0.1 order by comm desc;

**Exercise-9:**

Implement a PL/ SQL block using cursor variables to display all customers city wise.

cursor cs is select cnum,cname,city from xcustomers order by city;

**Exercise-10:**

Implement a PL/ SQL block using cursor to get first n customers with highest amt spend.

cursor cr is select cname , sum(amt) from orders o,

customers c where o.cnum = c.cnum group by cname

order by sum(amt) desc;

**Exercise-11:**

Implement a PL/ SQL block to generate area wise sales report using cursor.

City :---------

Salesman:------

Total customers:--------

Total Amt of comm:------

C1 IS SELECT C.CITY X1,S.SNAME X2,COUNT(C.SNUM) X3,SUM(S.COMM) X4 FROM PA\_XCUSTOMER C, PA\_XSALESPEOPLE S WHERE S.SNUM=C.SNUM GROUP BY C.CITY,S.SNAME ORDER BY C.CITY;

**Exercise-12:**

Implement a PL/ SQL cursor to generate customer rating wise report.

Customer name, Rating, No of orders, Total amt.