**MCA-B013 CHUDASAMA VISHAL**

SQL> -- **day-5.docx** file exercise

SQL> -- **1. Display all the clients whose age is more than 25 years but less than 50 years**

SQL> **select CLIENT\_NAME, (EXTRACT(YEAR from SYSDATE) - EXTRACT(YEAR from BIRTH\_DATE)) as AGE from CLIENTS WHERE (EXTRACT(YEAR from SYSDATE) - EXTRACT(YEAR from BIRTH\_DATE)) BETWEEN 25 AND 50;**

CLIENT\_NAME AGE

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Kajal Oza 38

Vraj Shah 39

Dhyan Dave 37

Kajal Oza 38

Vraj Shah 39

Dhyan Dave 37

6 rows selected.

SQL> -- **2. Display all the Salesman from Salesman\_Master table where "Sale" is more than his "Target" and "Target" is more than 100**

SQL> **select \* from Salesman\_Master where sales>target AND target>100;**

S\_NO NAME ADD1 ADD2 CITY PINCODE STATE SALARY TARGET SALES

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S011 Devendra Block-12 Park Street-2 Kolkata 700019 UP 6000 210 500

SQL> -- **3. Find the Salesman who are neither from Baroda or from Surat.**

SQL> **select \* from Salesman\_Master where city NOT IN('BARODA', 'SURAT');**

S\_NO NAME ADD1 ADD2 CITY PINCODE STATE SALARY TARGET SALES

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S002 OMKAR NULL NULL BHOPAL MP 4500 200 150

S003 RAJ B-104 VERLI MUMBAI 400002 MAHARASHTRA 5500 200 200

S005 Meera 10, Lotus Alkapuri Vadodara 390007 Gujarat 6000 300 250

S006 Karan Sector-17 Navrangpura Ahmedabad 380009 Gujarat 5500 220 180

S007 Priya L-12 MG Road Pune 411001 Maharashtra 5200 180 160

S008 Dev House-22 Civil Lines Delhi 110054 Delhi 5800 250 200

S009 Sahil Flat-4 Indira Nagar Lucknow 226016 UP 4900 160 140

S010 Nidhi Block-7 Park Street Kolkata 700016 WB 5300 210 190

S011 Devendra Block-12 Park Street-2 Kolkata 700019 UP 6000 210 500

9 rows selected.

SQL> -- **4. Display total number of clients using Client\_Master Table.**

SQL> **select count(\*) from client\_master;**

COUNT(\*)

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5

SQL> -- **5. Display the highest salary a salesman is getting.**

SQL> **select max(SALARY) from salesman\_master;**

MAX(SALARY)

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6000

SQL> -- **6. Display all item names in upper case letters only**

SQL> **select upper(ITEM\_NAME) from ITEM;**

UPPER(ITEM\_NAME)

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RICE

WHEAT

SUGAR

OIL

SALT

SQL> -- **7. Display current date and time**

SQL> **select to\_char(SYSDATE, 'DD-MM-YYYY HH:MI:SS') from dual;**

SYSDATE

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14-SEP-25 12:30:35

SQL> -- **8. Display average target given to the salesman.**

SQL> **select avg(TARGET) from salesman\_master;**

AVG(TARGET)

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194.166667

SQL> -- **9. Display the Birth Date (DOB in Student\_Master Table) in a new format. (Eg. February 12, 1998)**

SQL> **select to\_char(dob, 'Month dd, yyyy') as Birth Date from Student\_Master;**

Birth Date

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February 12, 1998

May 23, 2000

November 15, 1997

August 30, 1999

SQL> -- **10. Display Date of Joining (DOJ, Faculty\_Master) of all faculties in DD/MM/YY format**

SQL> **select to\_char(doj, 'DD/MM/YY') as DOJ from Faculty\_Master;**

DOJ

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15/06/10

01/09/12

20/01/15

05/11/18

SQL> -- **11. Display Only Birth Date and Month of all the students from Student\_Master Table**

SQL> **select to\_char(dob, 'DD/MM') as DD\_MM from Student\_Master;**

DD\_MM

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12/02

23/05

15/11

30/08

SQL> -- **12. Count the total number of employees.**

SQL> **select count(\*) from EMPLOYEE\_MASTER;**

COUNT(\*)

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4

SQL> -- **13. Calculate the average salary of all the employees.**

SQL> **select avg(SALARY) from EMPLOYEE\_MASTER;**

AVG(SALARY)

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16750

SQL> -- **14. Determine the maximum and minimum salary. Rename the output as max\_salary and min\_salary respectively.**

SQL> **select max(SALARY) as max\_salary, min(SALARY) as min\_salary from EMPLOYEE\_MASTER;**

MAX\_SALARY MIN\_SALARY

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22000 12000

SQL> -- **15. Count the number of employees having salary less than or equal to 15000.**

SQL> **select count(EMPLOYEE\_NAME) from EMPLOYEE\_MASTER where SALARY <= 15000;**

COUNT(EMPLOYEE\_NAME)

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2

SQL> -- **16. List the details of Employee month wise in DD/MM/YY format.**

SQL> **select EMPLOYEE\_NAME, SALARY, to\_char(JOINING\_DATE, 'DD/MM/YY') from EMPLOYEE\_MASTER order by extract(month from JOINING\_DATE);**

EMPLOYEE\_NAME SALARY TO\_CHAR(

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Jill 22000 15/01/21

Adam 15000 10/04/19

Eve 12000 23/07/20

Sam 18000 05/12/18

SQL> -- **17. List the DOB in the format 'DD-Month-YY' eg. 12-February-91**

SQL> **select to\_char(JOINING\_DATE, 'DD-Month-YY') from EMPLOYEE\_MASTER;**

TO\_CHAR(JOINING

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10-April -19

23-July -20

05-December -18

15-January -21

SQL> **-- day-5 Question 2 queries based on tables: distributors, item and dist\_item**

SQL> **-- 1. Count total distributors**

SQL> **select count(\*) from DISTRIBUTOR;**

COUNT(\*)

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5

SQL> **-- 2. Find the total price of all items**

SQL> **select sum(price) as total from item;**

TOTAL

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265

SQL> -- **3. Find the item wise total quantity of each item**

SQL> **select item\_no, sum(QTY) from DIST\_ITEM group by ITEM\_NO;**

ITEM\_ SUM(QTY)

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I001 220

I002 230

I003 120

I004 150

I005 450

SQL> -- **4. Display all items whose name starts with "S"**

SQL> **select \* from item where ITEM\_NAME like 'S%';**

ITEM\_ ITEM\_NAME PRICE WEIGHT

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I003 Sugar 35 3

I005 Salt 20 1

SQL> -- **5. Display Distribution details of all items with month (from the date) only.**

SQL> **select d.dno,d.dname,d.city,d.phone,dt.item\_no,dt.qty,to\_char(dt.order\_date, 'Month') as order\_month from DISTRIBUTOR d JOIN DIST\_ITEM dt ON d.dno=dt.dno;**

DNO DNAME CITY PHONE ITEM\_ QTY ORDER\_MONTH

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D001 ABC Distributors Baroda 9876543210 I001 100 September

D001 ABC Distributors Baroda 9876543210 I002 80 September

D002 Shree Suppliers Surat 9123456780 I003 50 September

D002 Shree Suppliers Surat 9123456780 I004 60 September

D003 Om Traders Mumbai 9988776655 I005 200 September

D003 Om Traders Mumbai 9988776655 I001 120 September

D004 Global Supply Delhi 9012345678 I002 150 September

D004 Global Supply Delhi 9012345678 I003 70 September

D005 FastMart Pune 9090909090 I004 90 September

D005 FastMart Pune 9090909090 I005 250 September

10 rows selected.

SQL> -- **6. Display the distributors whose city name starts with "B"**

SQL> **select \* from DISTRIBUTOR where city like 'B%';**

DNO DNAME CITY PHONE

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D001 ABC Distributors Baroda 9876543210

SQL> -- **7. Find the highest weight of an item**

SQL> **select max(WEIGHT) from item;**

MAX(WEIGHT)

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5

SQL> **select ITEM\_NAME, WEIGHT from item where WEIGHT = (select max(WEIGHT) from item);**

ITEM\_NAME WEIGHT

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Rice 5