**MCA-B013 CHUDASAMA VISHAL**

SQL> -- **day-8.docx** file exercise

SQL> **-- Question-1 tables: Client\_master, Product\_Master, Salesman\_master, SALES\_ORDER and Sales\_order\_Details**

SQL> **-- 1. Display the salesman name who have processed Order\_No 1**

SQL> **select s.name from SALESMAN\_MASTER s join SALES\_ORDER o on o.Salesman\_No=s.s\_no where o.Order\_No='O001';**

NAME

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AMAN

SQL> **-- 2. Display datewise (dates in descending order) order details with salesman name and product name.**

SQL> **select o.ORDER\_DATE,s.name as salesman\_name,p.DESCRIPTION as product\_name,od.PRODUCT\_RATE from SALES\_ORDER o**

**join SALESMAN\_MASTER s on s.S\_NO=o.Salesman\_No**

**join SALES\_ORDER\_DETAILS od on o.Order\_No=od.Order\_No**

**join PRODUCT\_MASTER p on p.P\_NO=od.Product\_No**

**order by o.ORDER\_DATE desc;**

ORDER\_DAT SALESMAN\_NAME PRODUCT\_NAME PRODUCT\_RATE

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07-SEP-25 Nidhi Jacket 3000

06-SEP-25 Sahil Belt 4000

05-SEP-25 Dev Shoes 8000

04-SEP-25 Priya Cap 1800

03-SEP-25 Karan Kurta 4200

02-SEP-25 Meera Shirt 5400

01-SEP-25 ASHISH SAREE 2400

31-AUG-25 RAJ SKIRT 2800

30-AUG-25 OMKAR JEANS 2000

29-AUG-25 AMAN T-SHIRT 3500

10 rows selected.

SQL> **-- 3. Display the unique product names, whose order status is still pending**

SQL> **select DISTINCT p.DESCRIPTION as product\_name from PRODUCT\_MASTER p**

**join SALES\_ORDER\_DETAILS od on p.P\_NO=od.Product\_No**

**join SALES\_ORDER o on o.Order\_No=od.Order\_No**

**where ORDER\_STATUS='Pending';**

PRODUCT\_NAME

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JEANS

Kurta

Shoes

SQL> **-- 4. Display the Client\_name who has made order on 15th Aug, 2025**

SQL> **select c.CLIENT\_NAME from CLIENT\_MASTER c join SALES\_ORDER s on s.Client\_No=c.c\_no where order\_date='15-AUG-25';**

CLIENT\_NAME

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Dhyan Dave

SQL> **-- 5. Display the salesman\_no and his order\_no where quantity ordered and quantity dispatched are not equal**

SQL> **select s.Salesman\_No, s.Order\_No from Sales\_Order s join Sales\_Order\_Details so on so.Order\_No=s.Order\_No where so.Qty\_Ordered=so.Qty\_Dispatched;**

SALE ORDE

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S001 O001

S003 O003

S005 O005

S009 O009

SQL> **-- Question-2 tables: APPLICANT, ENTRANCE\_TEST, ETEST\_DETAILS**

SQL> **-- 1. Display Entrance Test ID (ETID) Wise highest marks scored by any applicant.**

SQL> **SELECT AID, SCORE FROM ETEST\_DETAILS e WHERE SCORE = ( SELECT MAX(SCORE) FROM ETEST\_DETAILS WHERE ETID = e.ETID);**

AID SCORE

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A002 70

A003 75

A006 90

A009 95

A010 75

SQL> **-- 2. Count ETID wise total number of applicants appeared for the test**

SQL> **select etid, count(aid) from ETEST\_DETAILS group by etid;**

ETID COUNT(AID)

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T001 2

T002 2

T003 2

T004 2

T005 2

SQL> **-- 3. Find the minimum number of applicants in the entrance test.**

SQL> **select min(total) from (select etid, count(aid) as total from ETEST\_DETAILS group by etid);**

MIN(TOTAL)

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2

SQL> **-- 4. Count city wise number of applicants registered**

SQL> **select city,count(city) from APPLICANT group by city;**

CITY COUNT(CITY)

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Baroda 3

Surat 2

Mumbai 1

Delhi 1

Pune 1

Jaipur 1

Chennai 1

SQL> **-- 5. Display all the entrance test details for which the applicant "Ohm Patel" appeared**

SQL> alter table ETEST\_DETAILS drop constraint SYS\_C008268;

Table altered.

SQL> **select et.\* from etest\_details et join applicant a on a.aid=et.aid where A\_NAME='Ohm Patel';**

AID ETID ETEST\_DAT SCORE LOCATION

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A011 T004 31-AUG-25 99 Gujarat

SQL> **-- Question-3 tables: Distributor, Item, Dist\_Item**

SQL> **-- 1. Display all the distributor's name who supplies Item\_No 5**

SQL> **select item\_no from (select item\_no, count(item\_no) as total from DIST\_ITEM group by item\_no) where total=(select max(count(item\_no)) as total from DIST\_ITEM group by item\_no);**

ITEM\_

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I002

I003

SQL> **-- 2. Display the item which is distributed maximum time**

SQL> **select distinct i.ITEM\_NAME from item i join DIST\_ITEM d on d.item\_no=i.item\_no where i.item\_no in(**

**select item\_no from (select item\_no, count(item\_no) as total from DIST\_ITEM group by item\_no)**

**where total=(select max(count(item\_no)) as total from DIST\_ITEM group by item\_no));**

ITEM\_NAME

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Wheat

Sugar

SQL> **-- 3. Display all the items that are distributed by the distributor "Dev Shah"**

SQL> **select d.dname,d.dno,i.item\_no,i.item\_name from item i join dist\_item di on di.item\_no=i.item\_no join distributor d on d.dno=di.dno where d.dname='Dev Shah';**

DNAME DNO ITEM\_ ITEM\_NAME

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Dev Shah D007 I002 Wheat

Dev Shah D007 I003 Sugar

SQL> **-- 4. Display the Item\_Name and Quantity that are received in month of July in 2021**

SQL> **select i.item\_name,di.qty,di.order\_date from item i join dist\_item di on di.item\_no=i.item\_no where di.order\_date like '%JUL-21';**

ITEM\_NAME QTY ORDER\_DAT

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Rice 100 24-JUL-21

Sugar 100 24-JUL-21

Salt 200 24-JUL-21

Salt 250 24-JUL-21

SQL> **-- 5. Display all the items whose price is less than 1000 and received Qty =10**

SQL> **select distinct i.item\_name from item i join dist\_item di on di.item\_no=i.item\_no where i.price<1000 AND di.qty=10;**

ITEM\_NAME

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Sugar

Salt

SQL> **-- Question-4 tables: Worker, Job and Assigned;**

SQL> **-- 1. Display all the workers assigned for Job "Assemble"**

SQL> **select w.name,j.job\_type from job j join assigned a on a.j\_id=j.job\_id join worker w on w.id=a.w\_id where j.job\_type='Assemble';**

NAME JOB\_TYPE

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Charlie Assemble

Bob Assemble

SQL> **-- 2. Display total hours of the worker "Deep Jha" spent on Job "Packing"**

SQL> **select w.name,a.total\_hrs from assigned a join worker w on w.id=a.w\_id join job j on j.job\_id=a.j\_id where w.name='Deep Jha' AND j.job\_type='Packing';**

NAME TOTAL\_HRS

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Deep Jha 80

SQL> **-- 3. Display all the job types that are starting from Sept-2021.**

SQL> **select j.\* from job j join assigned a on a.j\_id=j.job\_id where start\_date like '%SEP-21';**

JOB\_ID JOB\_TYPE

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101 Cutting

103 Assemble

SQL> **-- 4. What are the total hours allocated for Job "Cutting"**

SQL> **select sum(a.total\_hrs) from job j join assigned a on a.j\_id=j.job\_id where j.JOB\_TYPE='Cutting' group by a.j\_id;**

SUM(A.TOTAL\_HRS)

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215

SQL> **-- 5. Display all the jobs that are still pending**

SQL> **select j.job\_type from job j join assigned a on a.j\_id=j.job\_id where a.status='Pending';**

JOB\_TYPE

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Packing

Cutting

SQL> commit;

Commit complete.