John Kramarczyk

DATA QUERIES

MEDICAL DIRECTOR VIEW

1. **List the details of a specific ward.**

```
SELECT *
FROM WARD
WHERE wardno = 'A1'
```

cript Output × | Query Result × | Query Result 1 × | Query Result 2 ×

SQL | All Rows Fetched: 1 in 0.058 seconds

	WARDNO	WARDNAME	PHONENO	LOCATION	NUMBEROFBEDS	STAFFNO
1	A1	WestWing	630-594-4648	Block A	50	1

2. **List each ward number and a count of the number of beds for each ward.**

```
SELECT wardno, numberofbeds
FROM WARD
```

cript Output × | Query Result ×

SQL | All Rows Fetched: 4 in 0.

	WARDNO	NUMBEROFBEDS
1	A1	50
2	B2	55
3	C3	60
4	D4	65

3. **List each surgical supply and the total quantity in stock, ordered by total quantity in stock descending.**

Worksheet | Query Builder

```
FROM generalsupply
WHERE itemdesc = 'Surgical'
ORDER BY stockquantity DESC
```

Script Output × | Query Result ×

SQL | All Rows Fetched: 3 in 0.061 seconds

	ITEMNAME	ITEMDESC	STOCKQUANTITY
1	Gauze	Surgical	4775
2	Gloves	Surgical	4375
3	Masks	Surgical	3467

4. **List each surgical supply and a sum of the quantity in stock for each item that has a re-order level greater than 10.**

Worksheet | Query Builder

```
SELECT itemname, itemdesc, stockquantity
FROM generalsupply
WHERE itemdesc = 'Surgical' and reorderlevel > 10
ORDER BY stockquantity DESC
```

Script Output | Query Result

SQL | All Rows Fetched: 2 in 0.058 seconds

	ITEMNAME	ITEMDESC	STOCKQUANTITY
1	Gauze	Surgical	4775
2	Gloves	Surgical	4375

5. **List the details for each surgical supply item that has a cost per unit greater than $9.00.**

Worksheet | Query Builder

```
SELECT *
FROM generalsupply
WHERE itemdesc = 'Surgical' and unitcost > 9
```

Script Output | Query Result

SQL | All Rows Fetched: 1 in 0.057 seconds

	ITEMNO	ITEMNAME	ITEMDESC	STOCKQUANTITY	REORDERLEVEL	UNITCOST	SUPPLIERNO
1	6454	Gauze	Surgical	4775	2465	10	45

6. **List all the suppliers that do not have a phone number on file.**

Worksheet | Query Builder

```
SELECT *
FROM supplier
WHERE supplierphoneno IS null
```

Script Output | Query Result

SQL | All Rows Fetched: 2 in 0.112 seconds

	SUPPLIERNO	SUPPLIERNAME	SUPPLIERADDRESS	SUPPLIERPHONENO	SUPPLIERFAXNO
1	346	MedLine	3039 Lane, Los Angeles, CA	(null)	786-787-3969
2	48	InnovativeSupply	3249 Circle, Dallas, TX	(null)	632-594-9762

7. **List each supplier and a count of the different products that they currently supply.**

Worksheet | Query Builder

```
SELECT generalsupply.itemno, generalsupply.itemname, generalsupply.supplierno, supplier.suppliername, generalsupply.stockquantity
FROM generalsupply
INNER JOIN supplier ON generalsupply.supplierno=supplier.supplierno
UNION
SELECT pharmsupply.drugno, pharmsupply.drugname, pharmsupply.supplierno, supplier.suppliername, pharmsupply.stockquantity
FROM pharmsupply
INNER JOIN supplier ON pharmsupply.supplierno=supplier.supplierno
```

Script Output × | Query Result ×

SQL | All Rows Fetched: 10 in 0.056 seconds

	ITEMNO	ITEMNAME	SUPPLIERNO	SUPPLIERNAME	STOCKQUANTITY
1	7	Ibuprofen	67	BudgetSupply	235
2	76	Cortisol	23	QualitySupply	9248
3	234	Aspirin	45	MedSupply	356
4	235	Tylenol	346	MedLine	867
5	523	Advil	48	InnovativeSupply	624
6	6454	Gauze	45	MedSupply	4775
7	45645	Gloves	23	QualitySupply	4375
8	49494	Masks	48	InnovativeSupply	3467
9	65494	Bandages	346	MedLine	235
10	341354	Ointment	67	BudgetSupply	3468

8. **List the details for each local clinic and the number of patients that they have referred over the past year.**

Worksheet | Query Builder

```
WITH inpatientclinic as (
    SELECT I.PATIENTNO, P.CLINICNO FROM PATIENT P, INPATIENT I
    WHERE P.PATIENTNO = I.PATIENTNO
    AND ( (WAITLISTDATE BETWEEN add_months( trunc(sysdate), -12) AND sysdate)
    OR
    (DATEPLACEDWARD BETWEEN add_months( trunc(sysdate), -12) AND sysdate))
), outpatientclinic as (
    SELECT I.PATIENTNO, P.CLINICNO FROM PATIENT P, OUTPATIENT I
    WHERE P.PATIENTNO = I.PATIENTNO
        AND OUTAPPTDATE BETWEEN add_months( trunc(sysdate), -12) AND sysdate
), clinics as (
    SELECT * FROM inpatientclinic
    UNION
    SELECT * FROM outpatientclinic
), distinctclinics as (
    SELECT DISTINCT * FROM clinics
), numberofpatients as (
    SELECT CLINICNO, count(PATIENTNO) as patient_count
    FROM distinctclinics
    GROUP BY CLINICNO
)
    SELECT C.*, N.patient_count FROM
    numberofpatients N,
    LOCALCLINIC C
    WHERE C.CLINICNO = N.CLINICNO
```

Script Output × | Query Result ×

SQL | All Rows Fetched: 4 in 0.056 seconds

	CLINICNO	DOCNAME	DOCADDRESS	DOCPHONENO	PATIENT_COUNT
1	54	Johnson	9420 Lane, Chicago, IL	888-659-4823	2
2	23	Jones	2390 Street, Chicago, IL	498-498-8453	1
3	75	Brady	2420 Circle, Evanston, IL	595-450-7845	1
4	87	Jordan	9350 Blvd, Evanston, IL	569-564-4565	1

9. **<u>List the number of patients treated at the outpatient clinic each day ordered by date.</u>**

Worksheet | Query Builder

```
SELECT count(DISTINCT patientno) as PatientCount, outapptdate
FROM outpatient
GROUP BY outapptdate
ORDER BY outapptdate
```

Script Output | Query Result

All Rows Fetched: 3 in 0.057 seconds

	PATIENTCOUNT	OUTAPPTDATE
1	1	08-MAR-21
2	2	09-MAR-21
3	1	10-MAR-21

10. **<u>List all of the patients currently on the waiting list for In Patient services.</u>**

Worksheet | Query Builder

```
SELECT patientno
FROM inpatient
WHERE waitlistdate BETWEEN '20-feb-2021' AND '11-mar-2021'
```

Script Output | Query Result

All Rows Fetched: 1 in 0.072 seconds

	PATIENTNO
1	101

John Kramarczyk

CHARGE NURSE VIEW

1. **<u>List the staff number and name of staff in a given ward, ordered by staff name.</u>**

Worksheet | Query Builder

```
SELECT staff.staffno, staff.firstname, staff.lastname,staffschedule.wardno
FROM staff
INNER JOIN staffschedule ON staffschedule.staffno=staff.staffno
ORDER BY staff.lastname, staff.firstname
```

Script Output | Query Result

SQL | All Rows Fetched: 5 in 0.055 seconds

	STAFFNO	FIRSTNAME	LASTNAME	WARDNO
1	3	George	Brown	B2
2	1	Joe	Johnson	A1
3	4	Paul	Jones	C3
4	2	Mike	Murphy	A1
5	5	Melissa	Owens	D4

2. **<u>List the name of each Charge Nurse on each ward, ordered by ward number.</u>**

Worksheet | Query Builder

```
SELECT staff.firstname, staff.lastname, ward.wardno, ward.staffno
FROM staff, ward
WHERE ward.staffno=staff.staffno
ORDER BY ward.wardno
```

Script Output | Query Result

SQL | All Rows Fetched: 4 in 0.057 seconds

	FIRSTNAME	LASTNAME	WARDNO	STAFFNO
1	Joe	Johnson	A1	1
2	Paul	Jones	B2	4
3	Joe	Johnson	C3	1
4	Paul	Jones	D4	4

3. **List the name of each patient that has stayed in a specific bed.**

Worksheet | Query Builder

```
SELECT patient.firstname, patient.lastname, inpatient.bedno
FROM patient, inpatient
WHERE patient.patientno=inpatient.patientno
ORDER BY inpatient.bedno
```

Script Output | Query Result

All Rows Fetched: 3 in 0.058 seconds

	FIRSTNAME	LASTNAME	BEDNO
1	John	Barker	50
2	Luke	Paul	70
3	Josh	Stan	80

4. **List all of the supplies ordered on a specific day.**

Worksheet | Query Builder

```
SELECT itemno, drugno, orderdate
FROM requisition
WHERE orderdate = '01-mar-21'
```

Script Output | Query Result

All Rows Fetched: 2 in 0.056 seconds

	ITEMNO	DRUGNO	ORDERDATE
1	6454	234	01-MAR-21
2	65494	235	01-MAR-21

5. **List each ward and shift (early, late, etc.) and a count of staff on duty.**

Worksheet | Query Builder

```
SELECT weekno, shift, count(staffno) as StaffCount, wardno
FROM staffschedule
GROUP BY weekno, shift, wardno
ORDER BY wardno, shift
```

Script Output | Query Result

All Rows Fetched: 5 in 0.058 seconds

	WEEKNO	SHIFT	STAFFCOUNT	WARDNO
1	5	early	1	A1
2	5	late	1	A1
3	24	night	1	B2
4	40	early	1	C3
5	24	late	1	D4

6. **List the immediate family contact details for all patients.**

Worksheet | Query Builder

```
SELECT p.firstname, p.lastname, p.patientno, i.immfamfirstname, i.immfamlastname, i.immfamrelationship, i.immfamaddress, i.immfamphoneno
FROM immfamcontact i
RIGHT JOIN patient p ON p.patientno=i.patientno
ORDER BY i.patientno
```

Script Output | Query Result

SQL | All Rows Fetched: 5 in 0.061 seconds

	FIRSTNAME	LASTNAME	PATIENTNO	IMMFAMFIRSTNAME	IMMFAMLASTNAME	IMMFAMRELATIONSHIP	IMMFAMADDRESS	IMMFAMPHONENO
1	John	Barker	101	Melissa	Park	Sister	3498 Road, Chicago, IL	945-597-4974
2	Josh	Stan	202	Molly	Johnson	Wife	3548 Circle, Chicago, IL	955-564-6850
3	Luke	Paul	303	Stan	Joney	Brother	1209 Lane, Chicago, IL	945-656-4976
4	Murphy	Johnson	404	Phil	Petulla	Brother	2309 Blvd, Chicago, IL	986-546-5464
5	Sally	Jones	505	Mark	Lilly	Husband	2948 Way, Evanston, IL	528-567-4643

7. **List every staff person who provides specialist care on each ward.**

Worksheet | Query Builder

```
SELECT s.staffno, w.wardno, s.firstname, s.lastname
FROM staff s, ward w, specialist sp
WHERE s.staffno = w.staffno AND sp.staffno = w.staffno
```

Script Output | Query Result

SQL | All Rows Fetched: 2 in 0.058 seconds

	STAFFNO	WARDNO	FIRSTNAME	LASTNAME
1	4	D4	Paul	Jones
2	4	B2	Paul	Jones

8. **List the patient ID and the maximum dosage of the patient taking the highest dosage of a Pharmaceutical supply.**

Worksheet | Query Builder

```
SELECT *
FROM (
SELECT m.patientno, MAX(p.dosage) AS HighestDosage
FROM medication m JOIN pharmsupply p ON p.drugno = m.drugno
GROUP BY m.patientno
ORDER BY HighestDosage DESC)
WHERE rownum <= 1
```

Script Output | Query Result

SQL | All Rows Fetched: 1 in 0.058 seconds

	PATIENTNO	HIGHESTDOSAGE
1	303	92

9. List the details for the pharmaceutical supply that is most frequently ordered.

Worksheet | Query Builder

```
SELECT *
FROM pharmsupply
WHERE reorderlevel = (SELECT MAX(reorderlevel)
                      FROM pharmsupply)
```

Script Output | Query Result

SQL | All Rows Fetched: 1 in 0.058 seconds

	DRUGNO	DRUGNAME	DRUGDESC	DOSAGE	STOCKQUANTITY	REORDERLEVEL	UNITCOST	SUPPLIERNO
1	523	Advil	Pharmaceutical	438	624	928	29	48

10. List a count of patient appointments per week.

Worksheet | Query Builder

```
CREATE VIEW NoApptsView AS
SELECT DISTINCT(apptdate), TO_CHAR((apptdate),'ww') "WeekOfYear", COUNT(apptdate)as NoAppts
FROM appointment
GROUP BY apptdate
```

Query Result | Script Output

Task completed in 0.078 seconds

```
View NOAPPTSVIEW created.
```

Worksheet | Query Builder

```
SELECT DISTINCT("WeekOfYear"), SUM(NoAppts)
FROM NoApptsView
GROUP BY "WeekOfYear"
```

Script Output | Query Result

SQL | All Rows Fetched: 6 in 0.061 seconds

	WeekOfYear	SUM(NOAPPTS)
1	50	2
2	14	1
3	01	1
4	49	2
5	45	1
6	06	1