

Simple Queries

```
SELECT *
FROM IncidentLog
WHERE natureOfIncident REGEXP 'Complaint';
```

	incidentID	incidentDateTime	natureOfIncident	actionsTaken	visitID	staffInvolved	
▶	5	2022-07-18 23:22:46	Complaint	incident report filed	61	2	
	6	2022-07-05 04:57:47	Complaint	police called	39	9	
	8	2022-05-17 22:33:14	Complaint	Resolved on premises	21	27	
	13	2022-04-03 13:58:53	Complaint	warning issued	7	22	
	155	2022-08-12 21:37:32	Complaint	upper management	62	18	
	351	2022-05-20 07:16:08	Complaint	police called	43	1	
	523	2022-04-08 06:52:27	Complaint	incident report filed	87	90	
	749	2022-11-09 13:55:29	Complaint	no action taken	2	97	
	886	2022-08-05 09:59:40	Complaint	no action taken	51	92	
	1896	2022-10-02 10:48:45	Complaint	police called	18	68	
	5729	2022-02-07 13:23:54	Complaint	police called	73	34	
	78323	2022-03-24 03:13:18	Complaint	police called	71	113	

```
SELECT *
FROM Patient
WHERE gender = 'F'
AND birthDate > '2002-01-01';
```

	patientID	fName	lName	birthDate	gender	phoneNumber	medicalHistory	
▶	1	Josie	Carette	2002-08-11	F	8677889323	Nam ultrices, libero non mattis pulvinar, nulla pe...	
	5	Estella	Cajkler	2006-02-13	F	1397362819	Quisque id justo sit amet sapien dignissim vesti...	
	24	Chantalle	Knappitt	2008-05-01	F	4064880476	Duis bibendum, felis sed interdum venenatis, tur...	
	32	Becka	McMechan	2004-11-11	F	3104580259	Morbi porttitor lorem id ligula. Suspendisse orna...	
	37	Blanca	Bengoechea	2021-09-29	F	9225828789	Nulla ut erat id mauris vulputate elementum. Nul...	
	39	Malissa	Grinval	2019-06-06	F	7188465226	Proin interdum mauris non ligula pellentesque ul...	
	40	Aurelie	Spurling	2007-10-13	F	6588512354	Etiam vel augue. Vestibulum rutrum rutrum neq...	
	66	Zena	Elstub	2004-02-25	F	6404338820	In sagittis dui vel nisl. Duis ac nibh. Fusce lacus...	
	71	Bernie	Caldicott	2018-11-28	F	9724995399	Proin interdum mauris non ligula pellentesque ul...	
	76	Rozina	Spalding	2015-01-24	F	8358580162	Nam ultrices, libero non mattis pulvinar, nulla pe...	
	82	Roslyn	Fishbourn	2015-06-20	F	1277757798	Curabitur gravida nisi at nibh. In hac habitasse...	
	85	Bibbie	Cornelisse	2003-03-30	F	5594404889	Aliquam quis turpis eget elit sodales scelerisque...	

```
SELECT providerID, providerName
FROM MedicalProvider med
WHERE NOT EXISTS (SELECT *
FROM Prescription p
WHERE p.prescribingPhysician = med.providerID);
```

	providerID	providerName	
▶ 0	Kev Graffin		
2	Valerye Helis		
3	Willette MacCaffery		
7	Laural Reddyhoff		
9	Kamila Baggarley		
15	Sephira Weems		
19	Lil Kinver		
46	Alyson Tobias		
89	Waverley Andreassen		
183	Zacharie Janczewski		
268	Ingra Halgarth		
407	Michael Hoffman		

```
SELECT AVG(cost) AS avgOverduePayments
FROM Billing
WHERE paymentStatus = 'Overdue';
```

Complex Queries

```
SELECT initialAssessment, fName, lName, birthDate
FROM EmergencyVisit
JOIN Patient
ON EmergencyVisit.patientID = Patient.patientID
WHERE birthDate > '2000-01-01'
ORDER BY birthDate ASC;
```

initialAssessment	fName	lName	birthDate	
▶ Pathological fracture, unspecified tibia and fibula, sequela	Joachim	Bugden	2000-11-01	
Unsp focal TBI w LOC of 30 minutes or less, subs	Joachim	Bugden	2000-11-01	
Toxic effect of gases, fumes and vapors, undetermined, subs	Taite	Nother	2001-03-24	
Nondisp fx of dist phalanx of unsp less toe(s), 7thD	Josie	Carette	2002-08-11	
Coxa plana	Josie	Carette	2002-08-11	
Prsn outsd pk-up/van inj in nonclsn trnsp acc nontraf, subs	Zena	Elstub	2004-02-25	
Malar fracture, left side, init	Sheffield	Brogiotti	2004-10-18	
Other skateboard accident, subsequent encounter	Sheffield	Brogiotti	2004-10-18	
Toxic effect of venom of gila monster, assault	Estella	Cajkler	2006-02-13	
Strain of flexor musc/fasc/tend at forearm level, right arm	Estella	Cajkler	2006-02-13	
Toxic effect of carb monx from mtr veh exhaust, undet, sqla	Kaspar	Atherton	2007-02-14	
Corrosion of left eye and adnexa, part unsp, subs encntr	Abrahan	Densell	2007-03-01	

```
SELECT fName, lName, results, dateTimeOrdered
FROM DiagnosticTest
JOIN EmergencyVisit
ON DiagnosticTest.emergencyVisitID = EmergencyVisit.visitID
JOIN Patient
ON EmergencyVisit.patientID = Patient.patientID
WHERE testType = 'ultrasound';
```

fName	lName	results	dateTimeOrdered	
▶ Grantham	MacGibbon	positive	2022-07-29 05:21:56	
Bartolemo	Bosse	negative	2022-04-07 22:55:54	
Aleen	Hierro	positive	2022-04-08 16:24:27	
Willow	Dundendale	negative	2022-12-25 17:56:20	
Grantham	MacGibbon	negative	2022-08-26 01:53:32	
Teirtza	Girvan	inconclusive	2022-11-22 01:22:20	
Moss	Girodias	negative	2022-02-11 06:52:06	
Clark	Marcus	negative	2022-03-27 23:40:52	

```

SELECT EmergencyVisit.patientID, COUNT(EmergencyVisit.patientID) AS VisitCount
FROM EmergencyVisit
JOIN Patient
ON EmergencyVisit.patientID = Patient.patientID
GROUP BY patientID
ORDER BY VisitCount DESC;

```

	patientID	VisitCount	
►	88	3	
	126	3	
	43	3	
	14	3	
	107	3	
	49	2	
	80	2	
	134	2	
	41	2	
	44	2	
	1	2	
	110	2	

```

SELECT Billing.paymentStatus, SUM(cost) AS totalCost, fName, lName,
EmergencyVisit.patientID
FROM Billing
JOIN EmergencyVisit
ON Billing.visitID = EmergencyVisit.visitID
JOIN Patient
ON EmergencyVisit.patientID = Patient.patientID
WHERE Billing.paymentStatus = 'Overdue'
GROUP BY EmergencyVisit.patientID
HAVING totalCost > 500
ORDER BY totalCost DESC;

```

	paymentStatus	totalCost	fName	lName	patientID	
►	Overdue	2013	Antonetta	Magson	43	
	Overdue	1630	Candy	MacConchie	126	
	Overdue	1561	Guntar	Tissell	124	
	Overdue	1326	Kip	Doby	110	
	Overdue	1012	Gerta	Mains	25	
	Overdue	904	Corene	Stilldale	88	
	Overdue	882	Brander	O'Flaherty	87	
	Overdue	867	Taite	Nother	62	
	Overdue	764	Hamish	Symper	122	
	Overdue	763	Mercie	Benoit	131	
	Overdue	763	Christab...	Fernez	46	
	Overdue	757	Georgie	Pinchin	114	

	patientID	fName	lName	avgScripts	
▶	1	Josie	Carette	8.0000	
◀	83	Nollie	Bartley	7.0000	
	64	Clark	Marcus	6.0000	
◀	72	Franklin	Crutch	6.0000	
	2	Elston	Melross	5.0000	
◀	5	Estella	Cajkler	5.0000	
	18	Hildy	Lakenton	5.0000	
◀	21	Rosaline	Lailey	5.0000	
	26	Winne	Hubble	5.0000	
◀	60	Inglebert	Kruszelnicki	5.0000	
	79	Odetta	Mattiazzo	5.0000	
◀	96	Stanford	Defond	5.0000	

[illegible]

	Query 1 (SQ)	Query 2 (SQ)	Query 3 (SQ)	Query 4 (SQ)	Query 5 (CQ)	Query 6 (CQ)	Query 7 (CQ)	Query 8 (CQ)	Query 9 (CQ)	Query 10 (CQ)
Multiple Table Join					X	X	X	X	X	X
Subquery									X	
Correlated Subquery			X							
Group By							X		X	X
GROUP BY with HAVING								X		
Multi condition WHERE		X			X					
BUILT-IN Functions/ Calculated Field				X			X		X	X
REGEXP	X									
NOT EXISTS			X							