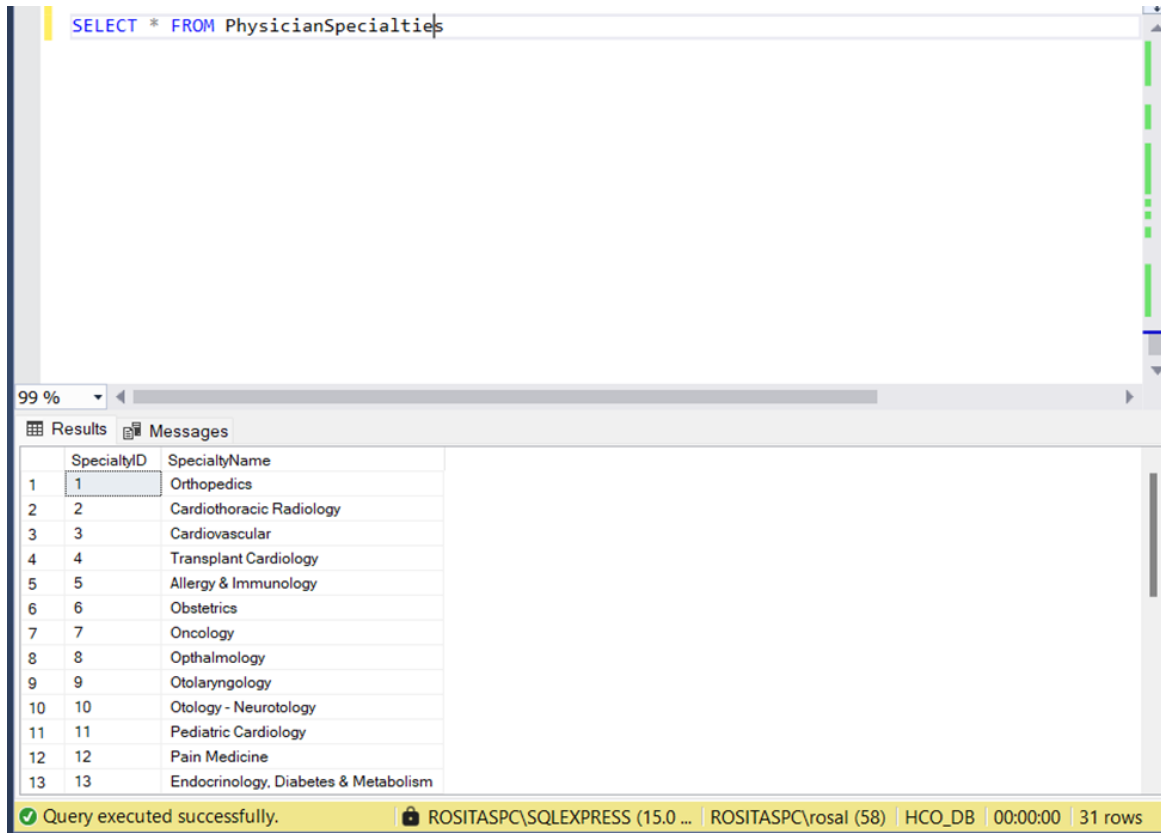


Step 2:

Select statements for each table:

Physician Specialties:



The screenshot shows a SQL query execution window. The query entered is `SELECT * FROM PhysicianSpecialties`. The results are displayed in a table with two columns: `SpecialtyID` and `SpecialtyName`. The table contains 13 rows of data. The status bar at the bottom indicates that the query was executed successfully, returning 31 rows.

	SpecialtyID	SpecialtyName
1	1	Orthopedics
2	2	Cardiothoracic Radiology
3	3	Cardiovascular
4	4	Transplant Cardiology
5	5	Allergy & Immunology
6	6	Obstetrics
7	7	Oncology
8	8	Ophthalmology
9	9	Otolaryngology
10	10	Otology - Neurotology
11	11	Pediatric Cardiology
12	12	Pain Medicine
13	13	Endocrinology, Diabetes & Metabolism

Query executed successfully. ROSITASPC\SQLEXPRESS (15.0 ... | ROSITASPC\rosal (58) | HCO_DB | 00:00:00 | 31 rows

ZipCodes:

SELECT * FROM ZipCodes

99 %

Results Messages

	ZipCode	City	State
1	22233-2424	India	VA
2	22669-7533	Toponaulka	VA
3	24149-2028	Gainsborough	VA
4	24360-8889	Funkstown	VA
5	24501	Lynchburg	VA
6	24502	Lynchburg	VA
7	24503	Lynchburg	VA
8	24550	Bedford	VA
9	24551	Forest	VA
10	24561	Roanoke	VA
11	24562	Blacksburg	VA
12	24701	Bluefield	WV
13	53845-4946	Minitonas	WI

Query executed successfully. ROSITASPC\SQLEXPRESS (15.0 ... ROSITASPC\rosal (58) HCO_DB 00:00:00 14 rows

Physician Practices:

SELECT * FROM PhysicianPractices

99 %

Results Messages

	PracticeID	PracticeName	Address_Line1	Address_Line2	ZipCode	Phone	Fax	WebsiteURL
1	1	Amhurst Medicine	2973 Lincoln Street	NULL	24550	(540) 273-3484	(540) 167-3622	NULL
2	2	Bedford Associates	2074 Oral Lake Road	NULL	24551	(434) 496-2525	(434) 282-5288	NULL
3	3	Blue Ridge Internal Medicine	976 Stroop Hill Road	NULL	24501	(434) 557-6615	(434) 316-4524	NULL
4	4	Blue Ridge Osteopathic Medicine	1557 Crowfield Road	NULL	24502	(434) 622-1294	(434) 181-4878	NULL
5	5	Centra Family Practice	2689 Woodridge Lane	NULL	24503	(434) 388-9541	(434) 428-2867	NULL
6	6	Centra Orthopedics	377 Midway Road	NULL	24550	(540) 246-9526	(540) 617-2195	NULL
7	7	Central VA Physicians	4383 Walt Nuzum Farm Road	NULL	24551	(434) 578-3986	(434) 995-6483	NULL
8	8	Donna Lacroix, MD	282 Gerald L. Bates Drive	NULL	24501	(434) 494-7335	(434) 964-3421	NULL
9	9	Dr. Ray A. Jeffries	2144 Todds Lane	NULL	24502	(434) 522-2892	(434) 768-7538	NULL
10	10	Dr. Walter Jess, MD	249 Aaron Smith Drive	NULL	24503	(434) 283-1843	(434) 744-3327	NULL
11	11	Forest Physicians	870 Bird Spring Lane	NULL	24550	(540) 127-2881	(540) 983-4382	NULL
12	12	Internal Medicine Associates	1557 Farland Avenue	NULL	24551	(434) 538-3278	(434) 958-5954	NULL
13	13	John Rosenberry, DO	4057 Fannie Street	NULL	24501	(434) 842-3157	(434) 548-5478	NULL
14	14	Light Medical	4682 Ritter Avenue	NULL	24502	(434) 247-6254	(434) 494-6672	NULL
15	15	Lynchburg Associates	3588 Cooks Mine Road	NULL	24503	(434) 863-1443	(434) 623-1769	NULL
16	16	Lynchburg Regional Associates	3764 Platinum Drive	NULL	24550	(540) 876-4449	(540) 728-2398	NULL
17	17	Martin Ramsey, MD	161 Snowbird Lane	NULL	24551	(434) 839-7333	(434) 212-5742	NULL
18	18	Medical Associates of Lynchburg	875 Tail Ends Road	NULL	24501	(434) 418-8859	(434) 958-8485	NULL
19	19	Medical Associates of Virginia	3853 Roy Alley	NULL	24502	(434) 795-6477	(434) 988-6294	NULL
20	20	New River Clinic	606 Emily Drive	NULL	24503	(434) 762-7351	(434) 454-3948	NULL
21	21	Orthopedic Medicine of Virginia	2303 Lunetta Street	NULL	24550	(540) 758-6184	(540) 314-2893	NULL
22	22	Piedmont Family Practice	2184 Russell Street	NULL	24551	(434) 289-9225	(434) 822-8316	NULL
23	23	Roanoke Central Medicine	1343 Cherry Camp Road	NULL	24501	(434) 543-6842	(434) 652-3758	NULL
24	24	Wynham Family Medicine	3150 Lauren Drive	NULL	24502	(434) 827-1732	(434) 315-1957	NULL
25	25	Central VA Urology	4587 Oak Lane	NULL	24503	(434) 781-9737	(434) 683-8147	NULL
26	26	Central VA Cardiology Associates	675 Cumberland Rd.	NULL	24561	(540) 612-7756	(540) 447-6931	NULL

Query executed successfully. ROSITASPC\SQLEXPRESS (15.0 ... ROSITASPC\rosal (54) HCO_DB 00:00:00 26 rows

Physicians:

SELECT * FROM Physicians

99 %

Results Messages

	PhysicianID	FirstName	LastName	PracticeID	SpecialtyID	Email
1	1	Betty	Pletke	15	3	BPlotke@gmail.com
2	2	Jim	Richards	20	14	JRichards@gmail.com
3	3	Blake	Collins	4	9	BCollins@gmail.com
4	4	David	Andrews	22	5	DAndrews@gmail.com
5	5	Bonnie	Jones	18	19	BJones@gmail.com
6	6	Earl	McDonald	24	6	EMcDonald@gmail.com
7	7	James	Kenan	12	31	JKenan@gmail.com
8	8	Clifton	Jameson	7	8	CJameson@gmail.com
9	9	Gregory	Johnson	4	19	GJohnson@gmail.com
10	10	Ray	Jeffries	9	11	RJeffries@gmail.com
11	11	Jonas	Allen	19	4	JAllen@gmail.com
12	12	Paul	Boman	2	13	PBoman@gmail.com
13	13	Kate	Cantrell	11	12	KCantrell@gmail.com

Query executed successfully. ROSITASPC\SQLEXPRESS (15.0 ... ROSITASPC\rosal (58) HCO_DB 00:00:00 158 rows

Patients:

SELECT * FROM Patients

99 %

Results Messages

	PatientID	FirstName	MiddleInitial	LastName	Address_Line1	Address_Line2	ZipCode	Phone_Home	Phone_Alternate	Email
1	1	Leslie	NULL	Abbott	5879 Noble Boulevard	NULL	24562	(434) 736-4757	(434) 278-6767	NULL
2	2	Denise	NULL	Abrams	87516 Charlie Ave.	NULL	24503	(434) 132-6836	(434) 219-3265	Denise.Abrams@gmail.com
3	3	Everette	NULL	Adams	876 Bobcat Lane	NULL	24550	(540) 756-6342	(540) 199-3294	Everette.Adams@gmail.com
4	4	Alan	NULL	Adams	9206 Clear Vista	NULL	24562	(434) 151-2874	(434) 523-7582	Alan.Adams@gmail.com
5	5	Lillian	NULL	Adams	9174 Cinder Falls	NULL	78229	(434) 232-8658	NULL	Lillian.Adams@gmail.com
6	6	Myron	NULL	Adkins	7037 Jagged Dale Row	NULL	24550	(540) 587-1553	(540) 829-8988	Myron.Adkins@gmail.com
7	7	Mark	NULL	Alexander	6682 Old Abbey	NULL	24501	(434) 256-8499	(434) 613-3658	NULL
8	8	Nancy	NULL	Alexander	3851 Heather Cove	NULL	24502	(434) 891-7163	NULL	Nancy.Alexander@gmail.com
9	9	Angela	NULL	Allen	3536 Lazy Wynd	NULL	24562	(434) 234-3836	(434) 666-6758	NULL
10	10	Marie	NULL	Allen	7357 Broad Parkway	Apt. 888	24550	(540) 646-5519	(540) 347-7414	Marie.Allen@gmail.com
11	11	Marilyn	NULL	Allen	7474 Sleepy Oak Estates	NULL	24501	(434) 766-1938	(434) 854-9438	Marilyn.Allen@gmail.com
12	12	James	NULL	Alphaeus	2144 Todds Lane	NULL	24551	(434) 861-4668	(434) 286-5715	JamesHALphaeus@teleworm.us
13	13	Lorene	NULL	Alvarado	6835 Velvet Pathway	NULL	24562	(434) 548-5941	(434) 324-2413	Lorene.Alvarado@gmail.com
14	14	Joshua	NULL	Adams	5146 Clear Creek Road	NULL	24551	(434) 773-3530	(434) 556-3130	Joshua.Adams@gmail.com

Query executed successfully. ROSITASPC\SQLEXPRESS (15.0 ... ROSITASPC\rosal (58) HCO_DB 00:00:00 524 rows

Referrals:

SELECT * FROM Referrals

99 %

Results Messages

	ReferralID	StartDate	EndDate	PatientID	PhysicianID
1	1	2013-01-01 00:00:00	2013-03-02	Click to select the whole column	
2	2	2013-01-01 00:00:00	2013-03-02 00:00:00	178	2
3	3	2013-01-02 00:00:00	2013-03-03 00:00:00	318	3
4	4	2013-01-03 00:00:00	2013-03-04 00:00:00	368	4
5	5	2013-01-03 00:00:00	2013-03-04 00:00:00	42	5
6	6	2013-01-03 00:00:00	2013-03-04 00:00:00	126	6
7	7	2013-01-03 00:00:00	2013-03-04 00:00:00	319	7
8	8	2013-01-03 00:00:00	2013-03-04 00:00:00	263	8
9	9	2013-01-04 00:00:00	2013-03-05 00:00:00	12	9
10	10	2013-01-04 00:00:00	2013-03-05 00:00:00	524	10
11	11	2013-01-05 00:00:00	2013-03-06 00:00:00	260	11
12	12	2013-01-05 00:00:00	2013-03-06 00:00:00	228	12
13	13	2013-01-08 00:00:00	2013-03-09 00:00:00	268	13
14	14	2013-01-08 00:00:00	2013-03-09 00:00:00	281	14

Query executed successfully. ROSITASPC\SQLEXPRESS (15.0 ... | ROSITASPC\rosal (58) | HCO_DB | 00:00:00 | 825 rows

Services:

SELECT * FROM Services

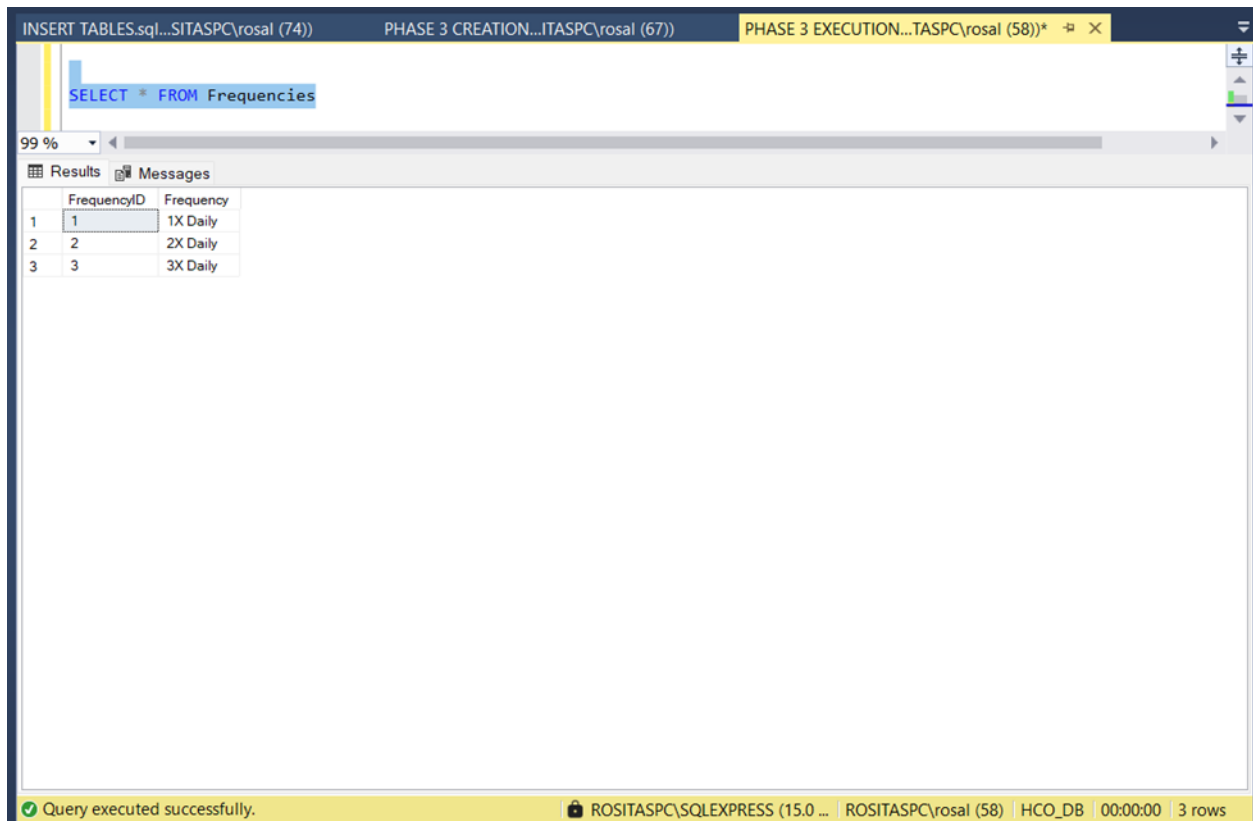
99 %

Results Messages

	ServiceID	ServiceName
1	1	Bathing
2	2	Blood Pressure Monitoring
3	3	Blood Tests
4	4	Breathing Treatments
5	5	Catheter Care
6	6	Exercise Therapy
7	7	Feeding
8	8	Feeding Tube Care
9	9	General Hygiene
10	10	Injections (Other)
11	11	Insulin Injections
12	12	IV Maintenance
13	13	Medicine Administration
14	14	Surgical Prep
15	15	Wound Dressing

Query executed successfully. ROSITASPC\SQLEXPRESS (15.0 ... | ROSITASPC\rosal (58) | HCO_DB | 00:00:00 | 15 rows

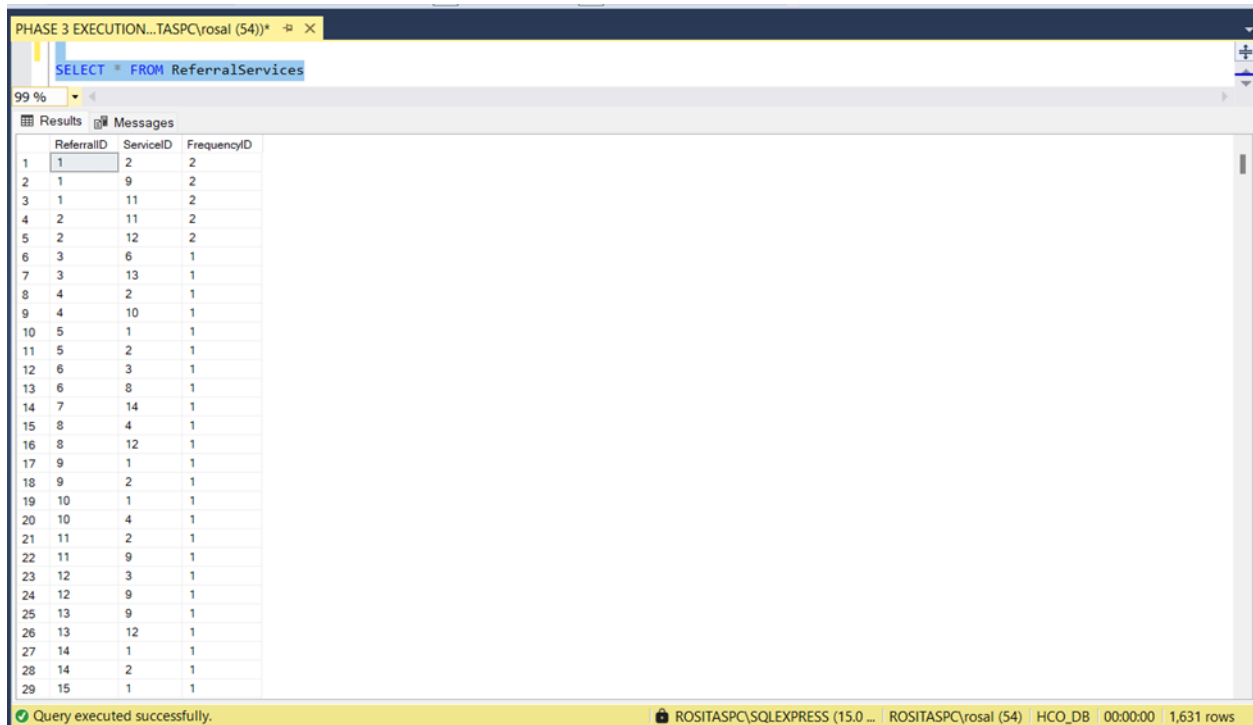
Frequencies:



The screenshot shows a SQL Server Enterprise Manager window with three tabs: 'INSERT TABLES.sql...SITASPC\rosal (74))', 'PHASE 3 CREATION...ITASPC\rosal (67))', and 'PHASE 3 EXECUTION...TASPC\rosal (58))*'. The active tab shows a query: `SELECT * FROM Frequencies`. The query is executed at 99% completion. The 'Results' pane displays a table with two columns: 'FrequencyID' and 'Frequency'. The status bar at the bottom indicates 'Query executed successfully.' and 'ROSITASPC\SQLEXPRESS (15.0 ... | ROSITASPC\rosal (58) | HCO_DB | 00:00:00 | 3 rows'.

	FrequencyID	Frequency
1	1	1X Daily
2	2	2X Daily
3	3	3X Daily

Referral Services:



The screenshot shows a SQL Server Enterprise Manager window with a tab: 'PHASE 3 EXECUTION...TASPC\rosal (54))*'. The active tab shows a query: `SELECT * FROM ReferralServices`. The query is executed at 99% completion. The 'Results' pane displays a table with three columns: 'ReferralID', 'ServiceID', and 'FrequencyID'. The status bar at the bottom indicates 'Query executed successfully.' and 'ROSITASPC\SQLEXPRESS (15.0 ... | ROSITASPC\rosal (54) | HCO_DB | 00:00:00 | 1,631 rows'.

	ReferralID	ServiceID	FrequencyID
1	1	2	2
2	1	9	2
3	1	11	2
4	2	11	2
5	2	12	2
6	3	6	1
7	3	13	1
8	4	2	1
9	4	10	1
10	5	1	1
11	5	2	1
12	6	3	1
13	6	8	1
14	7	14	1
15	8	4	1
16	8	12	1
17	9	1	1
18	9	2	1
19	10	1	1
20	10	4	1
21	11	2	1
22	11	9	1
23	12	3	1
24	12	9	1
25	13	9	1
26	13	12	1
27	14	1	1
28	14	2	1
29	15	1	1

PaymentTypes:

PHASE 3 EXECUTION...TASPC\rosal (54))*

SELECT * FROM PaymentTypes

99 %

Results Messages

	PaymentTypeID	PaymentType
1	1	Insurance
2	2	Medicaid
3	3	Medicare

Query executed successfully. ROSITASPC\SQLEXPRESS (15.0 ... ROSITASPC\rosal (54) HCO_DB 00:00:00 3 rows

InsuranceCompanies:

SQLQuery1.sql - RO...SITASPC\rosal (62)) PHASE 3 EXECUTION...TASPC\rosal (54))*

SELECT * FROM InsuranceCompanies

99 %

Results Messages

	InsuranceID	InsuranceCompany	Address_Line1	Address_Line2	ZipCode	Phone	Fax	Email
1	1	All Insurance	9299 Emerald Moor	Gainsborough, Virginia	24149-2028	(540) 863-1929	(540) 863-1929	NULL
2	2	Best Insurance	4559 Silver Horse Avenue	India, Virginia	22233-2424	(757) 748-8459	(757) 748-8459	NULL
3	3	Friendly Insurance	3602 Fallen Canyon	Minitonas, Wisconsin	53845-4946	(262) 146-4158	(262) 146-4158	NULL
4	4	Insurance One	1509 Golden Lake Subdivision	Funkstown, Virginia	24360-8889	(276) 310-4644	(276) 310-4644	NULL
5	5	Safety Insurance	1881 Burning Gate Dale	Toponauka, Virginia	22669-7533	(434) 252-5171	(434) 252-5171	NULL

Query executed successfully. ROSITASPC\SQLEXPRESS (15.0 ... ROSITASPC\rosal (54) HCO_DB 00:00:00 5 rows

Contracts:

SQLQuery1.sql - RO...SITASPC\rosal (62)) PHASE 3 EXECUTION...TASPC\rosal (54))* ✕

SELECT * FROM Contracts

99 %

Results Messages

	ContractID	ReferralID	StartDate	EndDate	PaymentTypeID	InsuranceID	NegotiatedRate
1	1	776	2014-11-09 00:00:00	2015-01-08 00:00:00	1	1	4
2	2	401	2014-01-01 00:00:00	2014-03-02 00:00:00	1	1	35
3	3	652	2014-07-30 00:00:00	2014-09-28 00:00:00	1	1	42
4	4	276	2013-08-28 00:00:00	2013-10-27 00:00:00	1	1	85
5	5	770	2014-11-04 00:00:00	2015-01-03 00:00:00	1	1	94
6	6	523	2014-04-05 00:00:00	2014-06-04 00:00:00	1	1	60
7	7	363	2013-11-22 00:00:00	2014-01-21 00:00:00	1	1	53
8	8	197	2013-06-12 00:00:00	2013-08-11 00:00:00	1	1	17
9	9	521	2014-04-03 00:00:00	2014-06-02 00:00:00	1	1	50
10	10	166	2013-05-13 00:00:00	2013-07-12 00:00:00	1	1	63
11	11	400	2013-12-30 00:00:00	2014-02-28 00:00:00	1	1	90
12	12	396	2013-12-25 00:00:00	2014-02-23 00:00:00	1	1	46
13	13	784	2014-11-16 00:00:00	2015-01-15 00:00:00	1	1	95
14	14	326	2013-10-13 00:00:00	2013-12-12 00:00:00	1	1	72
15	15	672	2014-08-14 00:00:00	2014-10-13 00:00:00	1	1	39
16	16	729	2014-10-04 00:00:00	2014-12-03 00:00:00	1	1	83
17	17	799	2014-12-04 00:00:00	2015-02-02 00:00:00	1	1	29
18	18	142	2013-04-15 00:00:00	2013-06-14 00:00:00	1	1	20
19	19	626	2014-07-03 00:00:00	2014-09-01 00:00:00	1	1	13
20	20	129	2013-04-03 00:00:00	2013-06-02 00:00:00	1	1	34
21	21	470	2014-02-22 00:00:00	2014-04-23 00:00:00	1	1	75
22	22	550	2014-04-30 00:00:00	2014-06-29 00:00:00	1	1	93
23	23	612	2014-06-20 00:00:00	2014-08-19 00:00:00	1	1	91
24	24	379	2013-12-06 00:00:00	2014-02-04 00:00:00	1	1	55
25	25	76	2013-02-26 00:00:00	2013-04-27 00:00:00	1	1	48
26	26	16	2013-01-10 00:00:00	2013-03-11 00:00:00	1	1	47
27	27	688	2014-08-30 00:00:00	2014-10-29 00:00:00	1	1	53
28	28	681	2014-08-24 00:00:00	2014-10-23 00:00:00	1	1	6
29	29	84	2013-02-27 00:00:00	2013-04-28 00:00:00	1	1	38

Query executed successfully. ROSITASPC\SQLEXPRESS (15.0 ... ROSITASPC\rosal (54) HCO_DB 00:00:00 825 rows

EmployeeTypes:

INSERT TABLES.sql...SITASPC\rosal (74)) PHASE 3 CREATION...ITASPC\rosal (67)) PHASE 3 EXECUTION...TASPC\rosal (58))* ✕

SELECT * FROM EmployeeTypes

99 %

Results Messages

	EmployeeTypeID	EmployeeType
1	1	Nurse
2	2	Aide
3	3	Owner
4	4	Manager
5	5	Administration

Query executed successfully. ROSITASPC\SQLEXPRESS (15.0 ... ROSITASPC\rosal (58) HCO_DB 00:00:00 5 rows

EmployeeTitles:

SQLQuery1.sql - RO...SITASPC\rosal (62)) PHASE 3 EXECUTION...TASPC\rosal (54))*

`SELECT * FROM EmployeeTitles`

99 %

Results Messages

	EmployeeTitleID	EmployeeTitle
1	1	LPN-1
2	2	LPN-2
3	3	LPN-3
4	4	LPN-4
5	5	LPN-5
6	6	RN-1
7	7	RN-2
8	8	RN-3
9	9	RN-4
10	10	RN-5
11	11	RN-6
12	12	RN-7
13	13	A-1
14	14	A-2
15	15	A-3
16	16	A-4
17	17	A-5
18	18	A-6
19	19	A-7
20	20	Owner
21	21	Office Manager
22	22	Receptionist
23	23	Accountant
24	24	Bookkeeper
25	25	Assistant
26	26	Nursing Supervisor

Query executed successfully. ROSITASPC\SQLEXPRESS (15.0 ... ROSITASPC\rosal (54) HCO_DB 00:00:00 26 rows

EmployeeSkillLevels:

INSERT TABLES.sql...SITASPC\rosal (74)) PHASE 3 CREATION...ITASPC\rosal (67)) PHASE 3 EXECUTION...TASPC\rosal (58))*

`SELECT * FROM EmployeeSkillLevels`

99 %

Results Messages

	SkillLevelID	SkillLevel
1	1	Level 1
2	2	Level 2
3	3	Level 3

Query executed successfully. ROSITASPC\SQLEXPRESS (15.0 ... ROSITASPC\rosal (58) HCO_DB 00:00:00 3 rows

BillingRates:

SELECT * FROM BillingRates

99 %

Results Messages

	EmployeeTypeID	SkillLevelID	BillingRate
1	1	2	160
2	1	3	175
3	2	1	135
4	2	2	140

Query executed successfully. ROSITASPC\SQLEXPRESS (15.0 ... ROSITASPC\rosal (58) HCO_DB 00:00:00 4 rows

EmployeeRanks:

SELECT * FROM EmployeeRanks

99 %

Results Messages

	RankID	EmployeeTypeID	TitleID	SkillLevelID	HourlyRate	Salary
1	1	1	1	2	20	NULL
2	2	1	2	2	20.5	NULL
3	3	1	3	3	25	NULL
4	4	1	4	3	26	NULL
5	5	1	5	3	27	NULL
6	6	1	6	3	28.5	NULL
7	7	1	7	3	30	NULL
8	8	1	8	3	33	NULL
9	9	1	9	3	35	NULL
10	10	1	10	3	36.5	NULL
11	11	1	11	3	39	NULL
12	12	1	12	3	42	NULL
13	13	2	13	1	8.5	NULL
14	14	2	14	1	10	NULL
15	15	2	15	1	10.5	NULL
16	16	2	16	1	11	NULL
17	17	2	17	1	11.5	NULL
18	18	2	18	2	12	NULL
19	19	2	19	2	12.5	NULL
20	20	3	20	NULL	NULL	50000
21	21	4	21	NULL	NULL	20000
22	22	5	22	NULL	NULL	15000
23	23	5	23	NULL	NULL	25000
24	24	5	24	NULL	NULL	18000
25	25	5	25	NULL	NULL	19000
26	26	4	26	NULL	NULL	25000

Query executed successfully. ROSITASPC\SQLEXPRESS (15.0 ... ROSITASPC\rosal (58) HCO_DB 00:00:00 26 rows

Employees:

PHASE 3 EXECUTION...TASPC\rosal (60))* ✕

SELECT * FROM Employees

99 %

Results Messages

	EmployeeID	FirstName	MiddleInitial	LastName	Address_Line1	Address_Line2	ZipCode	Phone	Cell_Phone	Email	RankID	HourlyWage	Salary
1	1	Lisa	K	Adams	2630 Burning Lookout	NULL	24502	(434) 212-8982	(434) 818-7158	Lisa.Adams@mhc.com	13	8.5	NULL
2	2	Jimmy	T	Alexander	5264 Old Barn Crossing	NULL	24503	(434) 482-2643	(434) 242-5755	Jimmy.Alexander@mhc.com	5	27	NULL
3	3	Sharon	F	Allen	541 Misty Wynd	Apt. 4	78229	(434) 989-2467	(434) 799-6168	Sharon.Allen@mhc.com	21	NULL	20000
4	4	Sheri	X	Baez	4462 Pleasant Elk Crest	NULL	78229	(434) 371-5121	(434) 684-1263	Sheri.Baez@mhc.com	25	NULL	19000
5	5	Arthur	T	Bailey	6136 Golden Fox Mount	Apt. 77	24503	(434) 935-4647	(434) 969-8971	Arthur.Bailey@mhc.com	16	11	NULL
6	6	Louis	NULL	Baker	6788 Velvet River Estates	NULL	24551	(434) 736-5298	(434) 135-3682	Louis.Baker@mhc.com	10	36.5	NULL
7	7	Annie	S	Barnes	3545 Green Townline	NULL	24502	(434) 228-8556	(434) 114-6918	Annie.Barnes@mhc.com	1	20	NULL
8	8	Cheryl	E	Bentz	8072 Broad Hollow	NULL	24561	(540) 759-7175	(540) 953-4197	Cheryl.Bentz@mhc.com	22	NULL	15000
9	9	Craig	G	Campbell	5058 Harvest Pioneer Limits	NULL	24550	(540) 427-1157	(540) 125-2665	Craig.Campbell@mhc.com	11	39	NULL
10	10	Virginia	U	Chen	3566 Blue Rise Rise	NULL	24551	(434) 927-2723	(434) 567-6277	Virginia.Chen@mhc.com	26	NULL	25000
11	11	Ruby	F	Clark	5873 Silver Maze	NULL	24562	(434) 686-4683	(434) 985-7786	Ruby.Clark@mhc.com	10	36.5	NULL
12	12	Samuel	E	Coleman	3393 Cozy Island	NULL	24503	(434) 764-7535	(434) 927-9839	Samuel.Coleman@mhc.com	19	12.5	NULL
13	13	Georgina	A	Cox	4167 Quiet Path	NULL	24501	(434) 816-3336	(434) 847-6364	Georgina.Cox@mhc.com	7	30	NULL
14	14	Leola	E	Dennison	5378 Honey Treasure Chase	NULL	24503	(434) 956-5861	(434) 231-3177	Leola.Dennison@mhc.com	20	NULL	50000
15	15	Gary	U	Diaz	8820 Cotton Brook Trace	NULL	24502	(434) 691-5956	(434) 139-2764	Gary.Diaz@mhc.com	2	20.5	NULL
16	16	Anita	H	Dougherty	9900 Silver Creek Glade	NULL	24502	(434) 953-1865	(434) 932-3142	Anita.Dougherty@mhc.com	24	NULL	18000
17	17	Barbara	N	Echols	640 Harvest Square	NULL	24501	(434) 616-5588	(434) 163-9416	Barbara.Echols@mhc.com	2	20.5	NULL
18	18	Amy	L	Edwards	4613 Broad Creek Extension	NULL	24562	(434) 968-7418	(434) 167-3967	Amy.Edwards@mhc.com	15	10.5	NULL
19	19	Keith	O	Evans	2478 Hazy Embers Jetty	NULL	24550	(540) 333-8688	(540) 542-6985	Keith.Evans@mhc.com	5	27	NULL
20	20	Marina	L	Garcia	2737 Round Beacon Swale	NULL	24501	(434) 398-6546	(434) 538-6882	Marina.Garcia@mhc.com	14	10	NULL
21	21	Betty	T	Gonzalez	5081 Noble Falls	Apt. 55	24562	(434) 967-6797	(434) 366-7962	Betty.Gonzalez@mhc.com	1	20	NULL
22	22	Mary	J	Granda	1668 Merry View	NULL	24501	(434) 768-4146	(434) 549-2738	Mary.Granda@mhc.com	12	42	NULL
23	23	Doris	V	Green	6470 High Falls	P.O. Box 123	24502	(434) 756-9134	(434) 344-6431	Doris.Green@mhc.com	19	12.5	NULL
24	24	Fred	R	Griffin	8910 Stony Quail Row	NULL	24561	(540) 359-9949	(540) 823-8736	Fred.Griffin@mhc.com	14	10	NULL
25	25	Adam	J	Hall	1871 High Gardens	NULL	78229	(434) 266-3131	(434) 222-9358	Adam.Hall@mhc.com	13	8.5	NULL
26	26	Deborah	F	Harris	7630 Rustic Loop	NULL	24561	(540) 513-7924	(540) 616-4592	Deborah.Harris@mhc.com	14	10	NULL
27	27	Teresa	A	Harvey	5491 Cinder Highlands	NULL	24503	(434) 565-9123	(434) 577-5911	Teresa.Harvey@mhc.com	20	NULL	50000
28	28	Aaron	S	Henderson	7108 Lazy Pony Port	NULL	24562	(434) 851-5921	(434) 546-4586	Aaron.Henderson@mhc.com	10	36.5	NULL
29	29	Todd	R	Hill	1727 Shady Lake Manor	NULL	24562	(434) 466-3144	(434) 786-1294	Todd.Hill@mhc.com	2	20.5	NULL

Query executed successfully.

ROSITASPC\SQLEXPRESS (15.0 ... ROSITASPC\rosal (60) | HCO_DB | 00:00:00 | 65 rows

Shifts:

PHASE 3 EXECUTION...TASPC\rosal (60))* ✕

SELECT * FROM Shifts

99 %

Results Messages

	ShiftID	ShiftName	StartTime	EndTime
1	1	Morning	08:00:00.0000000	12:00:00.0000000
2	2	Afternoon	12:00:00.0000000	16:00:00.0000000
3	3	Evening	16:00:00.0000000	20:00:00.0000000

Query executed successfully.

ROSITASPC\SQLEXPRESS (15.0 ... ROSITASPC\rosal (60) | HCO_DB | 00:00:00 | 3 rows

DaysOfWeek:

PHASE 3 EXECUTION...TASPC\rosal (60))*

```
SELECT * FROM DaysOfWeek
```

99 %

Results Messages

	DayOfWeekID	DayOfWeek
1	1	Sunday
2	2	Monday
3	3	Tuesday
4	4	Wednesday
5	5	Thursday
6	6	Friday
7	7	Saturday

Query executed successfully. ROSITASPC\SQLEXPRESS (15.0 ... ROSITASPC\rosal (60) HCO_DB 00:00:00 7 rows

Availability:

PHASE 3 CREATION...ITASPC\rosal (68)) PHASE 3 EXECUTION...TASPC\rosal (60))*

```
SELECT * FROM Availability
```

99 %

Results Messages

	EmployeeID	WeekOf	DayOfWeekID	ShiftID
1	1	2014-11-02 00:00:00	2	2
2	1	2014-11-02 00:00:00	4	1
3	1	2014-11-02 00:00:00	5	2
4	1	2014-11-02 00:00:00	6	2
5	2	2014-11-02 00:00:00	1	3
6	2	2014-11-02 00:00:00	2	3
7	2	2014-11-02 00:00:00	4	1
8	2	2014-11-02 00:00:00	5	1
9	2	2014-11-02 00:00:00	6	3
10	3	2014-11-02 00:00:00	1	3
11	3	2014-11-02 00:00:00	2	2
12	3	2014-11-02 00:00:00	4	3
13	3	2014-11-02 00:00:00	5	3
14	3	2014-11-02 00:00:00	6	2
15	3	2014-11-02 00:00:00	7	2
16	4	2014-11-02 00:00:00	1	3
17	4	2014-11-02 00:00:00	2	1
18	4	2014-11-02 00:00:00	3	3
19	4	2014-11-02 00:00:00	4	1
20	4	2014-11-02 00:00:00	5	3
21	4	2014-11-02 00:00:00	6	2
22	4	2014-11-02 00:00:00	7	1
23	5	2014-11-02 00:00:00	2	2
24	5	2014-11-02 00:00:00	3	2
25	5	2014-11-02 00:00:00	5	3
26	5	2014-11-02 00:00:00	6	2
27	5	2014-11-02 00:00:00	7	1
28	6	2014-11-02 00:00:00	1	1

Query executed successfully. ROSITASPC\SQLEXPRESS (15.0 ... ROSITASPC\rosal (60) HCO_DB 00:00:00 345 rows

MedicalSuppliers:

PHASE 3 CREATION...ITASPC\rosal (68) PHASE 3 EXECUTION...TASPC\rosal (60)*

SELECT * FROM MedicalSuppliers

99 %

	SupplierID	SupplierName	Address_Line1	Address_Line2	ZipCode	Phone	Fax	Email
1	1	Virginia Medical Supplies	2198 Old Jetty	Lynchburg, VA	24502	NULL	NULL	NULL
2	2	Lynchburg Medical Supplies	999 Dusty Promenade	Lynchburg, VA	24503	NULL	NULL	NULL
3	3	Poole's Medical Supplies	5884 Heather Run	Bluefield, WV	24701	NULL	NULL	NULL

Query executed successfully. ROSITASPC\SQLEXPRESS (15.0 ... ROSITASPC\rosal (60) HCO_DB 00:00:00 3 rows

Supplies:

PHASE 3 CREATION...ITASPC\rosal (68) PHASE 3 EXECUTION...TASPC\rosal (60)*

SELECT * FROM Supplies

99 %

	SupplyID	SupplyDescription	ChargePerUnit
1	1	10mm syringes	1
2	2	2" Gauze	1
3	3	2" self-adhesive bandages	2
4	4	4" Gauze	4
5	5	4" self-adhesive bandages	5
6	6	adhesive tape - 1 1/2 in.	0.5
7	7	adhesive tape - 2 in.	0.75
8	8	catheters	5
9	9	paper adhesive tape	0.75
10	10	sterile gloves - large	1.5
11	11	sterile gloves - medium	1.5
12	12	sterile gloves - small	1.5
13	13	sterile wipes	0.5

Query executed successfully. ROSITASPC\SQLEXPRESS (15.0 ... ROSITASPC\rosal (60) HCO_DB 00:00:00 13 rows

SupplyInventory:

PHASE 3 CREATION...ITASPC\rosal (68) PHASE 3 EXECUTION...TASPC\rosal (60)*

SELECT * FROM SupplyInventory

99 %

	SupplyID	SupplierID	DateReceived	UnitCost	Quantity
1	1	2	2013-01-10 00:00:00	3	6
2	1	2	2013-02-05 00:00:00	2	12
3	1	2	2013-02-23 00:00:00	4	19
4	1	2	2013-03-16 00:00:00	5	15
5	1	2	2013-04-24 00:00:00	7	3
6	1	2	2013-05-24 00:00:00	10	16
7	1	2	2013-06-19 00:00:00	1	4
8	1	2	2013-07-13 00:00:00	9	14
9	1	2	2013-08-18 00:00:00	4	19
10	1	2	2013-09-19 00:00:00	2	20
11	1	2	2013-10-18 00:00:00	10	8
12	1	2	2013-11-14 00:00:00	1	2
13	1	2	2013-12-03 00:00:00	8	16
14	1	2	2013-12-21 00:00:00	8	3
15	1	2	2014-01-16 00:00:00	1	20
16	1	2	2014-02-12 00:00:00	6	13
17	1	2	2014-03-06 00:00:00	5	13
18	1	2	2014-04-06 00:00:00	6	14
19	1	2	2014-04-27 00:00:00	7	9
20	1	2	2014-05-21 00:00:00	5	11
21	1	2	2014-06-16 00:00:00	5	13
22	1	2	2014-07-10 00:00:00	6	20
23	1	2	2014-08-13 00:00:00	9	15
24	1	2	2014-09-06 00:00:00	9	7
25	1	2	2014-09-25 00:00:00	3	14
26	1	2	2014-10-16 00:00:00	7	13
27	1	3	2013-01-04 00:00:00	2	4
28	1	3	2013-01-26 00:00:00	10	9

Query executed successfully. ROSITASPC\SQLEXPRESS (15.0 ... ROSITASPC\rosal (60) HCO_DB 00:00:00 678 rows

Visits:

PHASE 3 CREATION...ITASPC\rosal (58) code to fix null va...OSITASPC\rosal (56) Nicholas' Questions...SITASPC\rosal (53))*

SELECT * FROM Visits

108 %

	VisitID	DateRendered	StartTime	EndTime	EmployeeID	PatientID
1	1	2014-01-04 00:00:00	13:00:00.0000000	13:30:00.0000000	33	265
2	2	2014-01-05 00:00:00	13:00:00.0000000	13:30:00.0000000	7	265
3	3	2014-01-06 00:00:00	13:00:00.0000000	13:30:00.0000000	23	265
4	4	2014-01-07 00:00:00	13:00:00.0000000	13:30:00.0000000	64	265
5	5	2014-01-08 00:00:00	13:00:00.0000000	13:30:00.0000000	18	265
6	6	2014-01-09 00:00:00	14:00:00.0000000	14:30:00.0000000	52	265
7	7	2014-01-10 00:00:00	14:00:00.0000000	14:30:00.0000000	32	265
8	8	2014-01-11 00:00:00	16:00:00.0000000	16:30:00.0000000	2	265
9	9	2014-01-12 00:00:00	16:00:00.0000000	16:30:00.0000000	25	265
10	10	2014-01-13 00:00:00	15:00:00.0000000	15:30:00.0000000	44	265
11	11	2014-01-14 00:00:00	16:00:00.0000000	16:30:00.0000000	12	265
12	12	2014-01-15 00:00:00	15:00:00.0000000	15:30:00.0000000	50	265
13	13	2014-01-16 00:00:00	13:00:00.0000000	13:30:00.0000000	23	265
14	14	2014-01-17 00:00:00	13:00:00.0000000	13:30:00.0000000	54	265
15	15	2014-01-18 00:00:00	13:00:00.0000000	13:30:00.0000000	6	265
16	16	2014-01-19 00:00:00	13:00:00.0000000	13:30:00.0000000	27	265
17	17	2014-01-20 00:00:00	14:00:00.0000000	14:30:00.0000000	60	265
18	18	2014-01-21 00:00:00	16:00:00.0000000	16:30:00.0000000	38	265
19	19	2014-01-22 00:00:00	14:00:00.0000000	14:30:00.0000000	7	265
20	20	2014-01-23 00:00:00	13:00:00.0000000	13:30:00.0000000	27	265
21	21	2014-01-24 00:00:00	15:00:00.0000000	15:30:00.0000000	10	265
22	22	2014-01-25 00:00:00	15:00:00.0000000	15:30:00.0000000	34	265
23	23	2014-01-26 00:00:00	15:00:00.0000000	15:30:00.0000000	23	265
24	24	2014-01-27 00:00:00	15:00:00.0000000	15:30:00.0000000	32	265
25	25	2014-01-28 00:00:00	14:00:00.0000000	14:30:00.0000000	18	265
26	26	2014-01-29 00:00:00	13:00:00.0000000	13:30:00.0000000	31	265
27	27	2014-01-30 00:00:00	16:00:00.0000000	16:30:00.0000000	16	265
28	28	2014-01-31 00:00:00	13:00:00.0000000	13:30:00.0000000	39	265
29	29	2014-02-01 00:00:00	15:00:00.0000000	15:30:00.0000000	55	265
30	30	2014-02-02 00:00:00	13:00:00.0000000	13:30:00.0000000	34	265
31	31	2014-02-03 00:00:00	14:00:00.0000000	14:30:00.0000000	28	265
32	32	2014-02-04 00:00:00	13:00:00.0000000	13:30:00.0000000	61	265
33	33	2014-02-05 00:00:00	15:00:00.0000000	15:30:00.0000000	39	265
34	34	2014-02-06 00:00:00	16:00:00.0000000	16:30:00.0000000	1	265
35	35	2014-02-07 00:00:00	14:00:00.0000000	14:30:00.0000000	51	265

Query executed successfully. ROSITASPC\SQLEXPRESS (15.0 ... ROSITASPC\rosal (53) HCO_DB 00:00:00 29,638 rows

VisitDetails:

VisitID	VisitDetailID	SupplyID	SupplyQuantity	ServiceID	Charge
1	1	NULL	NULL	9	68
2	1	2	NULL	12	77
3	2	1	NULL	9	82
4	2	2	NULL	12	75
5	3	1	NULL	9	47
6	3	2	NULL	12	103
7	4	1	NULL	9	112
8	4	2	NULL	12	59
9	5	1	NULL	9	84
10	5	2	NULL	12	84
11	6	1	NULL	9	75
12	6	2	NULL	12	97
13	7	1	NULL	9	81
14	7	2	NULL	12	72
15	8	1	NULL	9	78
16	8	2	NULL	12	28
17	9	1	NULL	9	56
18	9	2	NULL	12	54
19	10	1	NULL	9	68
20	10	2	NULL	12	52
21	11	1	NULL	9	102
22	11	2	NULL	12	108
23	12	1	NULL	9	90
24	12	2	NULL	12	87
25	13	1	NULL	9	30
26	13	2	NULL	12	53
27	14	1	NULL	9	35
28	14	2	NULL	12	113

Step 3:

Write and execute the queries below to answer each question. As in your labs, be sure to write out your query in Word and then take a screenshot of the results after execution of each query.

The screenshots are below the table of queries, labeled as to which question they are attributed to.

Each query is worth 2 points. (Total of 72 points)

Data loaded into tables is worth 28 points.

Write and execute queries to perform the following functions:

Criteria	Output Format	Solution
1. Display a list of all patients who have a last name beginning with the letter "P".	Patient Last Name, followed by a comma and a space, followed by the patient's first name. (e.g. Poole, Melesa) Sort order: Patient Last Name - ascending	select CONCAT(p.LastName,', ', p.FirstName) 'Patients' from Patients p where p.LastName like 'p%' order by p.LastName ASC
2. Display a list of all patients who have an	Patient First Name, followed by a space, followed by the patient's last name. (e.g.	

alternate/cell phone number	Melesa Poole), alternate/cell phone number Sort order: Patient First Name – ascending Patient Last Name – ascending	select concat(p.FirstName, ' ', p.LastName) as 'Patients', p.Phone_Alternate from Patients p where p.Phone_Alternate is not null order by p.FirstName asc, p.LastName asc
3. Display a list of all patients who do <u>not</u> have an email address.	Patient First Name, followed by a space, followed by the patient's last name. (e.g. Melesa Poole) Sort order: Patient First Name – ascending Patient Last Name – ascending	select concat(p.FirstName, ' ', p.LastName) as 'Patients' from Patients p where Email is null order by p.FirstName asc, p.LastName asc
4. Display a list of all patients who live in zipcode 24551.	Patient Last Name, Address1, Address2, City, State, Zip Sort order: Patient Last Name – descending	select p.LastName, p.Address_Line1, p.Address_Line2, z.City, z.State, z.ZipCode from Patients p inner join ZipCodes z on p.ZipCode = z.ZipCode where p.ZipCode = '24551' order by p.LastName desc
5. Display a list of all physicians whose specialty is Internal Medicine or Orthopedics	Physician First Name, space, last name (call this column Physician), Specialty Sort order: Physician First Name – ascending Physician Last Name – descending	select concat(ph.FirstName, ' ', ph.LastName) as 'Physician', ps.SpecialtyName from Physicians ph inner join PhysicianSpecialties ps on ph.SpecialtyID = ps.SpecialtyID where ps.SpecialtyName = 'Internal Medicine' or ps.SpecialtyName = 'Orthopedics' order by ph.FirstName asc, ph.LastName desc
6. Display a list of all physicians, their specialties, and their practices	Physician Last Name, Specialty, Practice Sort order: Physician Specialty – ascending Physician Last Name – ascending Practice – ascending	select ph.LastName, ps.SpecialtyName, pp.PracticeName from Physicians ph inner join PhysicianSpecialties ps on ph.SpecialtyID = ps.SpecialtyID inner join PhysicianPractices pp on ph.PracticeID = pp.PracticeID order by ps.SpecialtyName asc, ph.LastName asc, pp.PracticeName asc
7. Display a list of all physicians	Physician Last Name, Practice Name, Address, City, State, Zipcode, Phone	

whose practices are in Lynchburg	Sort order: Zipcode – ascending Practice Name – descending Physician Last Name – ascending	select p.LastName, pp.PracticeName, pp.Address_Line1, z.City, z.State, z.ZipCode, pp.Phone from Physicians p inner join PhysicianPractices pp on p.PracticeID = pp.PracticeID inner join ZipCodes z on pp.ZipCode = z.ZipCode where z.City = 'Lynchburg' order by z.ZipCode asc, pp.PracticeName desc, p.LastName asc
8. Display the number of physicians in each specialty	Specialty, number of physicians in each specialty Sort order: Specialty	select ps.SpecialtyName, count(p.PhysicianID) as 'Number of Physicians' from Physicians p inner join PhysicianSpecialties ps on p.SpecialtyID = ps.SpecialtyID group by SpecialtyName order by SpecialtyName
9. Display the number of physicians in each practice, broken out by specialty	Practice, Specialty, number of physicians in each Sort order: Practice – ascending Specialty -- ascending	select pr.practiceName 'Practice Name', s.SpecialtyName 'Specialty Name', COUNT(p.PracticeID) as '# of Physicians in Practice' from Physicians p inner join PhysicianPractices pr on pr.PracticeID = p.PracticeID inner join PhysicianSpecialties s on s.SpecialtyID = p.SpecialtyID group by pr.PracticeName, s.SpecialtyName order by PracticeName ASC, SpecialtyName ASC
10. Display the list of specialties that have no physicians assigned to them.	Specialty Sort order: Specialty – ascending	select s.SpecialtyName 'Specialty Name', s.SpecialtyID from PhysicianSpecialties s where SpecialtyID NOT IN (select SpecialtyID from Physicians) order by SpecialtyName ASC

11. Display a list of all referrals whose start date was in 2013.	Patient first name, followed by a space, followed by patient last name (Call this whole field "Patient Name"), Referring Physician Last Name (call this field "Physician"), StartDate, EndDate Sort Order: StartDate – ascending Patient First Name – ascending Physician Last Name – ascending	select CONCAT(pa.firstName, ' ', pa.lastName) 'Patient Name', ph.lastName 'Physician', r.StartDate, r.EndDate from Referrals r inner join Patients pa on r.PatientID = pa.PatientID inner join Physicians ph on r.PhysicianID = ph.PhysicianID where year(r.StartDate) = 2013 order by StartDate ASC, pa.FirstName ASC, ph.LastName ASC
12. Display a list of all the referrals whose start date is between October 1, 2014 and November 5, 2014	Patient first name, followed by a space, followed by patient last name (Call this whole field "Patient Name"), Referring Physician Last Name (call this field "Physician"), StartDate, EndDate Sort Order: StartDate – ascending Patient First Name – ascending Physician Last Name – ascending	select CONCAT(pa.firstName, ' ', pa.lastName) 'Patient Name', ph.lastName 'Physician', r.StartDate, r.EndDate from Referrals r inner join Patients pa on r.PatientID = pa.PatientID inner join Physicians ph on r.PhysicianID = ph.PhysicianID where r.StartDate between '10/01/2014' and '11/05/2014' order by r.StartDate ASC, pa.FirstName ASC, ph.LastName ASC
13. Display the number of referrals given by each physician	Physician Last name, Physician First Name, number of referrals Sort Order: Physician Last Name – ascending Physician First Name – ascending	select ph.lastName, ph.FirstName, COUNT(r.PhysicianID) as '# of Referrals' from Referrals r inner join Physicians ph on r.PhysicianID = ph.PhysicianID group by ph.LastName, ph.FirstName order by ph.LastName ASC, ph.FirstName ASC
14. List the number of referrals in 2014 for each service requested.	Service name, number of referrals Sort order: Service name	select s.ServiceName, COUNT(rs.ServiceID) as '# of Referrals' from Referrals r inner join ReferralServices rs on r.ReferralID = rs.ReferralID inner join Services s on s.ServiceID = rs.ServiceID where r.StartDate between '01/01/2014' and '12/31/2014' and r.EndDate between '01/01/2014' and '12/31/2014' group by s.ServiceName order by s.ServiceName
15. Display a list of all patients	Patient Last Name, Patient First Name Sort order: Patient last name – ascending	select p.LastName, p.FirstName from Referrals r

requiring exercise therapy in 2013	Patient first name – ascending	<p>inner join Patients p on p.PatientID = r.PatientID</p> <p>inner join ReferralServices rs on r.ReferralID = rs.ReferralID</p> <p>inner join Services s on s.ServiceID = rs.ServiceID</p> <p>where s.ServiceName = 'Exercise Therapy' and r.StartDate between '01/01/2013' and '12/31/2013'</p> <p>order by p.LastName ASC, p.FirstName ASC</p>
16. Display a list of any referrals that require “Insulin injections” and “2x Daily” is NOT listed as their frequency.	<p>Patient Last Name, Physician Last Name, referral start date</p> <p>Sort order: Physician Last Name – ascending</p> <p>Patient Last Name – ascending</p> <p>Referral Start Date – ascending</p>	<p>select pa.LastName as 'Patient Last Name', ph.LastName as 'Physician Last Name', r.StartDate as 'Referral Start Date' from Referrals r</p> <p>inner join Patients pa on pa.PatientID = r.PatientID</p> <p>inner join Physicians ph on ph.PhysicianID = r.PhysicianID</p> <p>inner join ReferralServices rs on rs.ReferralID = r.ReferralID</p> <p>inner join Services s on s.ServiceID = rs.ServiceID</p> <p>inner join Frequencies f on f.FrequencyID = rs.FrequencyID</p> <p>where ServiceName = 'Insulin Injections' and Frequency <> '2X Daily'</p> <p>order by ph.LastName, pa.LastName, r.StartDate</p>
17. Display the contracts and payment methods associated with each referral	<p>Patient Last Name, Physician Last Name, Referral Start Date, Contract Start Date, Payment Method</p> <p>Sort Order: Payment Method - ascending</p> <p>Physician Last Name – ascending</p> <p>Patient Last Name – ascending</p> <p>Referral Start Date – ascending</p> <p>Contract Start Date – ascending</p>	<p>select pa.LastName as 'Patient Last Name', ph.LastName as 'Physician Last Name', r.StartDate as 'Referral Start Date', c.StartDate as 'Contract Start Date', PaymentType as 'Payment Method' from Contracts c</p> <p>inner join Referrals r on r.ReferralID = c.ReferralID</p> <p>inner join PaymentTypes pt on pt.PaymentTypeID = c.PaymentTypeID</p> <p>inner join Patients pa on pa.PatientID = r.PatientID</p>

		inner join Physicians ph on ph.PhysicianID = r.PhysicianID order by PaymentType, ph.LastName, pa.LastName, r.StartDate, c.StartDate
18. Display the number of contracts whose payment method is Insurance	Number of contracts (This is a single value)	select COUNT(PaymentType) as 'Number of Contracts' from Contracts c inner join PaymentTypes pt on pt.PaymentTypeID = c.PaymentTypeID where PaymentType = 'Insurance'
19. Display the number of contracts whose payment method is Insurance, broken out by Insurance Company	Insurance Company Name, number of contracts Sort order: Insurance company name	select InsuranceCompany as 'Insurance Company Name', COUNT(PaymentType) as 'Number of Contracts' from Contracts c inner join PaymentTypes pt on pt.PaymentTypeID = c.PaymentTypeID inner join InsuranceCompanies ic on ic.InsuranceID = c.InsuranceID where PaymentType = 'Insurance' group by InsuranceCompany order by InsuranceCompany
20. List the Employees who are Nurses	Employee First Name, followed by a space, followed by Employee Middle Initial, followed by a space, followed by Employee Last Name (call this whole field "Nurses")	select CONCAT(FirstName, ISNULL(' ' + MiddleInitial + ' ', ' '), LastName) as 'Nurses' from Employees e inner join EmployeeRanks er on er.RankID = e.RankID inner join EmployeeTypes et on et.EmployeeTypeID = er.EmployeeTypeID where EmployeeType = 'Nurse'
21. Display the average hourly wage for all employees who are aides.	Average hourly wage (single value)	select AVG(HourlyWage) as 'Average Hourly Wage' from Employees e inner join EmployeeRanks er on er.RankID = e.RankID inner join EmployeeTypes et on et.EmployeeTypeID = er.EmployeeTypeID where EmployeeType = 'Aide'
22. Display the average hourly wage for all hourly employees broken out by level.	Skill level, average wage Sort order: Skill Level	select SkillLevel as 'Skill Level', AVG(HourlyWage) as 'Average Wage' from Employees e inner join EmployeeRanks er on er.RankID = e.RankID inner join EmployeeSkillLevels esl on esl.SkillLevelID = er.SkillLevelID group by SkillLevel order by SkillLevel

23. Display the total salary for all salaried employees.	Total salaries (single value)	select sum(Salary) as TotalSalaries from Employees
24. Display the number of employees assigned to each rank.	RankID, Employee Type, Skill Level, Employee Title, number of employees Sort Order: RankID – ascending Employee type – ascending Skill Level – ascending Employee Title – ascending	select er.rankid, et.employeeetype, esl.skilllevel, etl.employeeetitle, count(*) as numberofemployees from employees e join employeeeranks er on e.rankid = er.rankid join employeeetypes et on er.employeeetypeid = et.employeeetypeid join employeeskilllevels esl on er.skilllevelid = esl.skilllevelid join employeeetitles etl on er.titleid = etl.employeeetitleid group by er.rankid, et.employeeetype, esl.skilllevel, etl.employeeetitle order by er.rankid asc, et.employeeetype asc, esl.skilllevel asc, etl.employeeetitle asc
25. Display a list of Employees who are nurses and were available to work on Sunday evenings during the week of 11/2/2014	Employee Last Name, Employee First Name Sort order: Last Name – ascending First Name – ascending	select e.lastname, e.firstname from employees e join employeeeranks er on e.rankid = er.rankid join employeeetypes et on er.employeeetypeid = et.employeeetypeid

		join availability a on e.employeeid = a.employeeid join daysofweek d on a.dayofweekid = d.dayofweekid join shifts s on a.shiftid = s.shiftid where et.employeeetype = 'Nurse' and d.dayofweek = 'Sunday' and s.shiftname = 'Evening' and a.weekof = '2014-11-02' order by e.lastname asc, e.firstname asc
26. Display a list of Employees who were available to work during morning shifts during the week of 11/2/2014 and had a skill level of level 3.	Employee Last Name, Employee First Name, Employee Type, Employee Title Sort order: Employee Type – ascending Employee Title – ascending Employee Last Name – ascending Employee First Name – ascending	select distinct e.lastname, e.firstname, et.employeeetype, etl.employeeetitle from employees e join employeeeranks er on e.rankid = er.rankid join employeeetypes et on er.employeeetypeid = et.employeeetypeid join employeeskilllevels esl on er.skilllevelid = esl.skilllevelid join employeeetitles etl on er.titleid = etl.employeeetitleid join availability a on e.employeeid = a.employeeid join daysofweek d on a.dayofweekid = d.dayofweekid join shifts s on a.shiftid = s.shiftid where esl.skilllevel = 'Level 3' and s.shiftname = 'Morning'

		and a.weekof = '2014-11-02' order by et.employeeetype asc, etl.employeeetitle asc, e.lastname asc, e.firstname asc
27. Display the total quantity of catheters added to inventory during 2013.	Total catheters (single value)	select sum(si.quantity) as total_catheters from supplyinventory si join supplies s on si.supplyid = s.supplyid where s.supplydescription = 'Catheters' and year(si.datereceived) = 2013
28. Display the total cost of "sterile gloves – small" provided by Poole's Medical supplies during 2013.	Total cost (single value)	select sum(si.unitcost * si.quantity) as total_cost from supplyinventory si join supplies s on si.supplyid = s.supplyid join medicalsuppliers ms on si.supplierid = ms.supplierid where s.supplydescription = 'sterile gloves - small' and ms.suppliername = 'Poole's Medical Supplies' and year(si.datereceived) = 2013
29. Display the average cost of supplies for each supply item broken out by supplier.	Supply, Supplier, Average cost per supply item Sort order: Supply – ascending Supplier – ascending	select s.supplydescription as supply, ms.suppliername as supplier, avg(si.unitcost) as average_cost_per_supply_item from supplyinventory si full join supplies s on si.supplyid = s.supplyid

		full join medicalsuppliers ms on si.supplierid = ms.supplierid group by s.supplydescription, ms.suppliername order by s.supplydescription asc, ms.suppliername asc
30. Display the total cost of all items purchased from suppliers broken out by supplier.	Supplier, Total cost of all items provided by supplier Sort order: Supplier – ascending	SELECT ms.SupplierName, SUM(si.UnitCost * si.Quantity) AS TotalCost FROM MedicalSuppliers ms INNER JOIN SupplyInventory si ON ms.SupplierID = si.SupplierID GROUP BY ms.SupplierName ORDER BY ms.SupplierName ASC;
31. Display a list of all the visits that occurred from March 20, 2014 to March 25, 2014 (including March 20 and March 25)	DateRendered, Patient Last Name, Employee Last Name, Start Time, End time Sort order: DateRendered – ascending Patient Last Name – ascending Employee Last Name – ascending Start Time – ascending	SELECT v.DateRendered, p.LastName AS PatientLastName, e.LastName AS EmployeeLastName, v.StartTime, v.EndTime FROM Visits v INNER JOIN Patients p ON v.PatientID = p.PatientID INNER JOIN Employees e ON v.EmployeeID = e.EmployeeID WHERE v.DateRendered BETWEEN '2014-03-20' AND '2014-03-25' ORDER BY v.DateRendered ASC, p.LastName ASC, e.LastName ASC, v.StartTime ASC;
32. List the total charges for the visit that occurred on 2/12/2014 for Helen Ramirez that was provided by Laura White.	Total charges (single value)	SELECT SUM(vd.Charge) AS TotalCharges FROM VisitDetails vd Inner Join Visits v ON vd.VisitID = v.VisitID Inner Join Patients p ON v.PatientID = p.PatientID WHERE p.FirstName = 'Helen' AND p.LastName = 'Ramirez' AND v.DateRendered = '2014-02-12';
33. List the number of	Total number of patients (single value)	SELECT COUNT(Distinct v.PatientID) AS 'Total Patients'

patients who received insulin injections during 2014 (Note this is the number of unique patients who ever received insulin injections – not the number of visits in which insulin injections were provided).		FROM Visits v Inner Join VisitDetails vd ON v.VisitID = vd.VisitID Inner Join Services s ON vd.ServiceID = s.ServiceID Where s.ServiceName = 'Insulin Injections' AND v.DateRendered BETWEEN '2014-01-01' AND '2014-12-31';
34. List the total number of 4” self-adhesive bandages that were used in 2014	Total number of 4” self-adhesive bandages (single value)	SELECT Count(s.SupplyDescription) AS 'Total Number of 4" self-adhesive Bandages' FROM Supplies s INNER JOIN VisitDetails vd ON s.SupplyID = vd.SupplyID INNER JOIN Services sv ON vd.ServiceID = sv.ServiceID INNER JOIN Visits v ON vd.VisitID = v.VisitID WHERE s.SupplyDescription = '4" self-adhesive bandages' AND v.DateRendered BETWEEN '2014-01-01' AND '2014-12-31';
35. List the average charge per visit per month in 2014 broken out by months	Month, average cost per visit Sort order: month number - ascending	select sc.Month, AVG(sc.SumCharge) AS 'Average Cost Per Visit' from (select Month(v.DateRendered) as Month, SUM(Charge) as SumCharge from Visits v inner join VisitDetails vd on v.VisitID = vd.VisitID where v.DateRendered between '2014-01-01' AND '2014-12-31' group by v.VisitID, Month(v.DateRendered)) as sc group by sc.Month order by Month ASC;
36. Provide a unique list of patients who received visits for feeding from November 1,	Patient Last Name, Patient First Name Sort order: Patient Last Name – ascending Patient First Name – ascending	select Distinct p.LastName, p.FirstName from Visits v JOIN VisitDetails vd ON v.VisitID = vd.VisitID

2014 until the current date.		JOIN Services s ON vd.ServiceID = s.ServiceID JOIN Patients p ON v.PatientID = p.PatientID Where s.ServiceName = 'Feeding' and v.DateRendered >= '2014-11-01' Order By p.LastName asc, p.FirstName asc
------------------------------	--	--

Screenshot of each working query:

Q1:

The screenshot shows a SQL Server Enterprise Manager window with a query executed in the 'Phase3' database. The query is as follows:

```

use Phase3

select CONCAT(p.LastName, ', ', p.FirstName) 'Patients' from Patients p
where p.LastName like 'p%'
order by p.LastName ASC

```

The results pane shows a list of 17 patients, ordered by last name. The status bar at the bottom indicates that the query was executed successfully and returned 44 rows.

Patients
1 Page, Curtis
2 Palmer, Catherine
3 Park, Noel
4 Parker, Pamela
5 Parker, Eula
6 Parker, Diane
7 Parker, Rebecca
8 Patterson, Patricia
9 Patterson, Cynthia
10 Patterson, Christopher
11 Payne, Antoinette
12 Pearson, Julie
13 Pena, Miranda
14 Perez, John
15 Perez, Sarah
16 Perez, Edward
17 Perkins, Philip

Query executed successfully. BOSSMANN'S-LAPTO\SQLEXPRESS... BOSSMANN'S-LAPTO\ADM_Ry... Phase3 00:00:00 44 rows

Q2:

```
-- Q.2
select concat(p.FirstName, ' ', p.LastName) as 'Patients', p.Phone_Alternate
from Patients p
where p.Phone_Alternate is not null
order by p.FirstName asc, p.LastName asc
```

99 %

Results Messages

	Patients	Phone_Alternate
1	Aaron Lofar	(540) 559-6584
2	Aaron Morgan	(434) 843-6436
3	Aaron Reed	(434) 774-3353
4	Abednego Nebo	(434) 159-2495
5	Ada Ford	(434) 281-2648
6	Adam Taylor	(540) 613-8699
7	Al Duncan	(434) 821-1394
8	Al Peterson	(434) 733-8682
9	Alan Adams	(434) 523-7582
10	Alan Jones	(434) 574-8884
11	Alan Lewis	(434) 995-5498
12	Albert Gonzalez	(434) 647-1844
13	Alberto Reese	(434) 794-5224
14	Alex Brewer	(434) 442-2159

Query executed successfully. ROSITASPC\SQLEXPRESS (15.0 ... ROSITASPC\rosal (57) HCO_DB 00:00:00 319 rows

Q3:

PHASE3_MY_QUESTI...TASPC\rosal (57))*

```
--Q.3
select concat(p.FirstName, ' ', p.LastName) as 'Patients'
from Patients p
where Email is null
order by p.FirstName asc, p.LastName asc
```

99 %

Results Messages

	Patients
1	Ada Ford
2	Al Peterson
3	Alejandro Santiago
4	Andrew Pop
5	Angela Allen
6	Angela Davis
7	Antoinette Payne
8	Barbara Daniely
9	Barbara Ross
10	Barney Wellman
11	Benjamin Wood
12	Betty Frazier
13	Beulah Haynes
14	Billy Peterson

Query executed successfully. ROSITASPC\SQLEXPRESS (15.0 ... ROSITASPC\rosal (57) HCO_DB 00:00:00 143 rows

Q4:

```
--Q.4
select p.LastName, p.Address_Line1, p.Address_Line2, z.City, z.State, z.ZipCode
from Patients p inner join ZipCodes z on p.ZipCode = z.ZipCode
where p.ZipCode = '24551'
order by p.LastName desc
```

99 %

Results Messages

	LastName	Address_Line1	Address_Line2	City	State	ZipCode
1	Wise	5779 Hidden Wynd	NULL	Forest	VA	24551
2	Wellman	8765 New York Ave.	Apt 32-7	Forest	VA	24551
3	Washington	8194 Rocky Island Heights	NULL	Forest	VA	24551
4	Ward	2892 Middle Embers Crossing	NULL	Forest	VA	24551
5	Walker	1862 Umber Deer Passage	NULL	Forest	VA	24551
6	Stokes	5671 Old Island Isle	NULL	Forest	VA	24551
7	Scott	9071 Cotton Freeway	NULL	Forest	VA	24551
8	Santos	9854 Burning Wagon Way	NULL	Forest	VA	24551
9	Rodriguez	3227 Grand Cider Via	NULL	Forest	VA	24551
10	Roberts	6492 Clear Berry Pike	NULL	Forest	VA	24551
11	Rivera	2137 Stony Panda Expressway	NULL	Forest	VA	24551
12	Price	2435 Clear Mews	NULL	Forest	VA	24551
13	Pierce	8534 Indian Cider Point	NULL	Forest	VA	24551
14	Ortega	5348 Sleepy Wagon Jetty	NULL	Forest	VA	24551
15	Miller	1229 Clear Grove Common	NULL	Forest	VA	24551
16	Martin	9421 Noble Close	Apt 211	Forest	VA	24551
17	Marshall	4571 Grand Glen	NULL	Forest	VA	24551
18	Lee	9457 Red Cider Private	NULL	Forest	VA	24551
19	King	1189 Grand Glen	NULL	Forest	VA	24551
20	Hammond	1463 Rocky Cape	NULL	Forest	VA	24551
21	Griffin	4822 Emerald Beacon Farm	NULL	Forest	VA	24551

Query executed successfully. ROSITASPC\SQLEXPRESS (15.0 ... | ROSITASPC\rosal (57) | HCO_DB | 00:00:00 | 36 rows

Q5:

PHASE3_MY_QUESTI...TASPC(rosal (57))*

```
--Q.5
select concat(ph.FirstName, ' ', ph.LastName) as 'Physician', ps.SpecialtyName
from Physicians ph inner join PhysicianSpecialties ps on ph.SpecialtyID = ps.SpecialtyID
where ps.SpecialtyName = 'Internal Medicine'
or ps.SpecialtyName = 'Orthopedics'
order by ph.FirstName asc, ph.LastName desc
```

99 %

Results Messages

	Physician	SpecialtyName
1	Alan Brown	Internal Medicine
2	Angela Melton	Orthopedics
3	Ann Garcia	Orthopedics
4	Anthony Ross	Orthopedics
5	April Hall	Orthopedics
6	Ashley Sanders	Orthopedics
7	Brian Ramirez	Orthopedics
8	Christina Henderson	Internal Medicine
9	Craig Cox	Internal Medicine
10	Cynthia Rodriguez	Orthopedics
11	Donna Lacroix	Orthopedics
12	Earl Perez	Orthopedics
13	Eric Ward	Orthopedics
14	Gary Smith	Internal Medicine
15	Gloria Bailey	Internal Medicine
16	Harold Anderson	Orthopedics
17	Irene Young	Orthopedics
18	Janice Green	Internal Medicine
19	Jessica Bell	Internal Medicine
20	Joanna Kifer	Orthopedics
21	Joe James	Internal Medicine

Query executed successfully. ROSITASPC\SQLEXPRESS (15.0 ... | ROSITASPC\rosal (57) | HCO_DB | 00:00:00 | 36 rows

Q6:

```
--Q.6
select ph.LastName, ps.SpecialtyName, pp.PracticeName
from Physicians ph inner join PhysicianSpecialties ps on ph.SpecialtyID = ps.SpecialtyID
inner join PhysicianPractices pp on ph.PracticeID = pp.PracticeID
order by ps.SpecialtyName asc, ph.LastName asc, pp.PracticeName asc
```

99 %

Results Messages

	LastName	SpecialtyName	PracticeName
1	Andrews	Allergy & Immunology	Piedmont Family Practice
2	Bennett	Allergy & Immunology	Piedmont Family Practice
3	Henning	Allergy & Immunology	Light Medical
4	Nelson	Allergy & Immunology	Light Medical
5	Reed	Allergy & Immunology	Piedmont Family Practice
6	Sanchez	Allergy & Immunology	Light Medical
7	Thomas	Allergy & Immunology	Light Medical
8	Thompson	Allergy & Immunology	Light Medical
9	Hendricks	Cardiothoracic Radiology	Central VA Cardiology Associates
10	Taylor	Cardiothoracic Radiology	Central VA Cardiology Associates
11	Pletke	Cardiovascular	Lynchburg Associates
12	Pressman	Cardiovascular	Light Medical
13	Rogers	Cardiovascular	Light Medical
14	Boman	Endocrinology, Diabetes & Metabolism	Bedford Associates
15	Carter	Endocrinology, Diabetes & Metabolism	Lynchburg Associates
16	Collins	Endocrinology, Diabetes & Metabolism	Bedford Associates
17	Gray	Endocrinology, Diabetes & Metabolism	Blue Ridge Internal Medicine
18	Larson	Endocrinology, Diabetes & Metabolism	Lynchburg Associates
19	Patterson	Endocrinology, Diabetes & Metabolism	Bedford Associates
20	Rosenberry	Endocrinology, Diabetes & Metabolism	John Rosenberry, DO
21	Sciore	Endocrinology, Diabetes & Metabolism	Blue Ridge Internal Medicine

Query executed successfully. ROSITASPC\SQLEXPRESS (15.0 ... ROSITASPC\rosal (57) HCO_DB 00:00:00 158 rows

Q7:

PHASE3_MY_QUESTI...TASPC\rosal (57))*

```
--Q.7
select p.LastName, pp.PracticeName, pp.Address_Line1, z.City, z.State, z.ZipCode, pp.Phone
from Physicians p inner join PhysicianPractices pp on p.PracticeID = pp.PracticeID
inner join ZipCodes z on pp.ZipCode = z.ZipCode
where z.City = 'Lynchburg'
order by z.ZipCode asc, pp.PracticeName desc, p.LastName asc
```

99 %

Results Messages

	LastName	PracticeName	Address_Line1	City	State	ZipCode	Phone
1	Clark	Roanoke Central Medicine	1343 Cherry Camp Road	Lynchburg	VA	24501	(434) 543-6842
2	Coleman	Roanoke Central Medicine	1343 Cherry Camp Road	Lynchburg	VA	24501	(434) 543-6842
3	Gupta	Roanoke Central Medicine	1343 Cherry Camp Road	Lynchburg	VA	24501	(434) 543-6842
4	Howard	Roanoke Central Medicine	1343 Cherry Camp Road	Lynchburg	VA	24501	(434) 543-6842
5	Johnson	Roanoke Central Medicine	1343 Cherry Camp Road	Lynchburg	VA	24501	(434) 543-6842
6	Lynch	Roanoke Central Medicine	1343 Cherry Camp Road	Lynchburg	VA	24501	(434) 543-6842
7	Moore	Roanoke Central Medicine	1343 Cherry Camp Road	Lynchburg	VA	24501	(434) 543-6842
8	Peterson	Roanoke Central Medicine	1343 Cherry Camp Road	Lynchburg	VA	24501	(434) 543-6842
9	Phillips	Roanoke Central Medicine	1343 Cherry Camp Road	Lynchburg	VA	24501	(434) 543-6842
10	Ross	Roanoke Central Medicine	1343 Cherry Camp Road	Lynchburg	VA	24501	(434) 543-6842
11	Schek	Roanoke Central Medicine	1343 Cherry Camp Road	Lynchburg	VA	24501	(434) 543-6842
12	Scott	Roanoke Central Medicine	1343 Cherry Camp Road	Lynchburg	VA	24501	(434) 543-6842
13	Williams	Roanoke Central Medicine	1343 Cherry Camp Road	Lynchburg	VA	24501	(434) 543-6842
14	Davis	Medical Associates of Lynchburg	875 Tail Ends Road	Lynchburg	VA	24501	(434) 418-8859
15	Hernandez	Medical Associates of Lynchburg	875 Tail Ends Road	Lynchburg	VA	24501	(434) 418-8859
16	Jones	Medical Associates of Lynchburg	875 Tail Ends Road	Lynchburg	VA	24501	(434) 418-8859
17	Rosenberry	John Rosenberry, DO	4057 Fannie Street	Lynchburg	VA	24501	(434) 842-3157
18	Lacroix	Donna Lacroix, MD	282 Gerald L. Bates Drive	Lynchburg	VA	24501	(434) 494-7335
19	Gray	Blue Ridge Internal Medicine	976 Stroop Hill Road	Lynchburg	VA	24501	(434) 557-6615
20	Sciore	Blue Ridge Internal Medicine	976 Stroop Hill Road	Lynchburg	VA	24501	(434) 557-6615
21	Lewis	Wynham Family Medicine	3150 Lauren Drive	Lynchburg	VA	24502	(434) 827-1732

Query executed successfully. ROSITASPC\SQLEXPRESS (15.0 ... ROSITASPC\rosal (57) HCO_DB 00:00:00 79 rows

Q8:

PHASE3_MY_QUESTI...TASPC\rosal (57))*

```

order by z.ZipCode asc, pp.PracticeName desc, p.LastName asc

--Q.8

select ps.SpecialtyName, count(p.PhysicianID) as 'Number of Physicians'
from Physicians p inner join PhysicianSpecialties ps on p.SpecialtyID = ps.SpecialtyID
group by SpecialtyName
order by SpecialtyName

```

99 %

Results Messages

	SpecialtyName	Number of Physicians
1	Allergy & Immunology	8
2	Cardiothoracic Radiology	2
3	Cardiovascular	3
4	Endocrinology, Diabetes & Metabolism	9
5	Endovascular Surgical Neuroradiology	5
6	Family Medicine	10
7	Geriatric Medicine	12
8	Internal Medicine	10
9	Musculoskeletal Oncology	5
10	Neurology	2
11	Neuromuscular Medicine	9
12	Obstetrics	3
13	Ophthalmology	3
14	Orthopedics	26
15	Otolaryngology	3
16	Pain Medicine	5
17	Pediatric Cardiology	3
18	Pediatrics	2
19	Physical Medicine & Rehabilitation	4
20	Plastic Surgery	2
21	Pulmonary & Critical Care	13

Query executed successfully. ROSITASPC\SQLEXPRESS (15.0 ... ROSITASPC\rosal (57) HCO_DB 00:00:00 26 rows

Q9:

SQLQuery1.sql - B...PTO\ADM_Ryan (58))*

```

use Phase3

select pr.practiceName 'Practice Name', s.SpecialtyName 'Specialty Name', COUNT(p.PracticeID) as '# of Physicians in Practice' from Physicians p
inner join PhysicianPractices pr on pr.PracticeID = p.PracticeID
inner join PhysicianSpecialties s on s.SpecialtyID = p.SpecialtyID
group by pr.PracticeName, s.SpecialtyName
order by PracticeName ASC, SpecialtyName ASC

```

100 %

Results Messages

	Practice Name	Specialty Name	# of Physicians in Practice
1	Amhurst Medicine	Geriatric Medicine	2
2	Amhurst Medicine	Internal Medicine	5
3	Amhurst Medicine	Neuromuscular Medicine	4
4	Amhurst Medicine	Orthopedics	1
5	Bedford Associates	Endocrinology, Diabetes & Metabolism	3
6	Blue Ridge Internal Medicine	Endocrinology, Diabetes & Metabolism	2
7	Blue Ridge Osteopathic Medicine	Endocrinology, Diabetes & Metabolism	1
8	Blue Ridge Osteopathic Medicine	Otolaryngology	3
9	Blue Ridge Osteopathic Medicine	Pediatric Cardiology	1
10	Blue Ridge Osteopathic Medicine	Pulmonary & Critical Care	5
11	Blue Ridge Osteopathic Medicine	Vascular & Interventional Radiology	2
12	Centra Family Practice	Family Medicine	3
13	Centra Orthopedics	Orthopedics	17
14	Central VA Cardiology Associates	Cardiothoracic Radiology	2
15	Central VA Physicians	Geriatric Medicine	4
16	Central VA Physicians	Ophthalmology	3
17	Central VA Physicians	Sports Medicine	2

Query executed successfully. BOSSMANNS-LAPTO\SQLEXPRESS ... BOSSMANNS-LAPTO\ADM_Ry... Phase3 00:00:00 49 rows

Q10:

SQLQuery1.sql - B...PTO\ADM_Ryan (58)*

```
use Phase3

select s.SpecialtyName 'Specialty Name', s.SpecialtyID from PhysicianSpecialties s
where SpecialtyID NOT IN (select SpecialtyID from Physicians)
order by SpecialtyName ASC

select * from PhysicianSpecialties
select * from Physicians
```

100 %

Results Messages

	Specialty Name	SpecialtyID
1	Gastroenterology	22
2	Nephrology	29
3	Oncology	7
4	Otology - Neurotology	10
5	Thoracic Surgery	27

Query executed successfully. BOSSMANN-S-LAPTO\SQLEXPRESS ... BOSSMANN-S-LAPTO\ADM_Ry... Phase3 00:00:00 5 rows

Q11:

SQLQuery1.sql - B...PTO\ADM_Ryan (58)*

```
use Phase3

select CONCAT(pa.firstName, ' ', pa.lastName) 'Patient Name', ph.lastName 'Physician', r.StartDate, r.EndDate from Referrals r
inner join Patients pa on r.PatientID = pa.PatientID
inner join Physicians ph on r.PhysicianID = ph.PhysicianID
where year(r.StartDate) = 2013
order by StartDate ASC, pa.FirstName ASC, ph.LastName ASC

select * from Referrals
```

100 %

Results Messages

	Patient Name	Physician	StartDate	EndDate
1	James Greaser	Richards	2013-01-01 00:00:00	2013-03-02 00:00:00
2	Simon Peter	Pietke	2013-01-01 00:00:00	2013-03-02 00:00:00
3	John Nathan	Collins	2013-01-02 00:00:00	2013-03-03 00:00:00
4	Andrew Pop	Andrews	2013-01-03 00:00:00	2013-03-04 00:00:00
5	Bartholomew Nathaniel	Kenan	2013-01-03 00:00:00	2013-03-04 00:00:00
6	Matthew Levi	Jameson	2013-01-03 00:00:00	2013-03-04 00:00:00
7	Philip Beth	Jones	2013-01-03 00:00:00	2013-03-04 00:00:00
8	Thomas Didymus	McDonald	2013-01-03 00:00:00	2013-03-04 00:00:00
9	James Alphaeus	Johnson	2013-01-04 00:00:00	2013-03-05 00:00:00
10	Simon Zealot	Jeffries	2013-01-04 00:00:00	2013-03-05 00:00:00
11	Judas Iscariot	Borman	2013-01-05 00:00:00	2013-03-06 00:00:00
12	Thaddaeus Lebbaeus	Allen	2013-01-05 00:00:00	2013-03-06 00:00:00
13	Aaron Lofar	Cantrell	2013-01-08 00:00:00	2013-03-09 00:00:00
14	Abednego Nebo	Smith	2013-01-08 00:00:00	2013-03-09 00:00:00
15	Moses Ramser	Roarke	2013-01-08 00:00:00	2013-03-09 00:00:00
16	Jacob Smallis	Gray	2013-01-10 00:00:00	2013-03-11 00:00:00
17	Jean Ericsson	Gupta	2013-01-10 00:00:00	2013-03-11 00:00:00

Query executed successfully. BOSSMANN-S-LAPTO\SQLEXPRESS ... BOSSMANN-S-LAPTO\ADM_Ry... Phase3 00:00:00 400 rows

Q12:

SQLQuery1.sql - B...PTO\ADM_Ryan (53)*

```

use Phase3

select CONCAT(pa.firstName, ' ', pa.lastName) 'Patient Name', ph.lastName 'Physician', r.StartDate, r.EndDate from Referrals r
inner join Patients pa on r.PatientID = pa.PatientID
inner join Physicians ph on r.PhysicianID = ph.PhysicianID
where r.StartDate between '10/01/2014' and '11/05/2014'
order by r.StartDate ASC, pa.FirstName ASC, ph.LastName ASC
  
```

100 %

Results Messages

	Patient Name	Physician	StartDate	EndDate
1	Saul Barrett	Hill	2014-10-01 00:00:00	2014-11-30 00:00:00
2	Claire Nguyen	Gray	2014-10-02 00:00:00	2014-12-01 00:00:00
3	Lynda Underwood	Wright	2014-10-02 00:00:00	2014-12-01 00:00:00
4	Rodney Turner	Clark	2014-10-02 00:00:00	2014-12-01 00:00:00
5	Lillie Owens	Taylor	2014-10-03 00:00:00	2014-12-02 00:00:00
6	Monique Bowers	Brooks	2014-10-03 00:00:00	2014-12-02 00:00:00
7	Willard Armstrong	Smith	2014-10-03 00:00:00	2014-12-02 00:00:00
8	Blanche Wagner	Reed	2014-10-04 00:00:00	2014-12-03 00:00:00
9	Casey Burns	Mitchell	2014-10-04 00:00:00	2014-12-03 00:00:00
10	Ella Summers	Lewis	2014-10-04 00:00:00	2014-12-03 00:00:00
11	Ignacio Wright	Davis	2014-10-04 00:00:00	2014-12-03 00:00:00
12	Wilma Holmes	Turner	2014-10-04 00:00:00	2014-12-03 00:00:00
13	Warren Rice	King	2014-10-05 00:00:00	2014-12-04 00:00:00
14	Cynthia Stanley	Gonzalez	2014-10-06 00:00:00	2014-12-05 00:00:00
15	Belinda Franklin	Perry	2014-10-09 00:00:00	2014-12-08 00:00:00
16	Hazel Lawson	Patterson	2014-10-09 00:00:00	2014-12-08 00:00:00
17	Michael Morris	Diaz	2014-10-09 00:00:00	2014-12-08 00:00:00

Query executed successfully. BOSSMANNNS-LAPTO\SQLEXPRESS ... BOSSMANNNS-LAPTO\ADM_Ry... Phase3 00:00:00 52 rows

Q13:

SQLQuery1.sql - B...PTO\ADM_Ryan (53)*

```

use Phase3

select ph.lastName, ph.FirstName, COUNT(r.PhysicianID) as '# of Referrals' from Referrals r
inner join Physicians ph on r.PhysicianID = ph.PhysicianID
group by ph.LastName, ph.FirstName
order by ph.LastName ASC, ph.FirstName ASC
  
```

100 %

Results Messages

	lastName	FirstName	# of Referrals
1	Adams	Michael	5
2	Alexander	Daniel	5
3	Allen	Andrea	5
4	Allen	Jonas	6
5	Anderson	Harold	5
6	Andrews	David	6
7	Bailey	Gloria	5
8	Baker	Keith	5
9	Barnes	Phillip	5
10	Bell	Jessica	5
11	Bennett	Carol	5
12	Boman	Paul	6
13	Brooks	Walter	5
14	Brown	Alan	5
15	Bryant	Mark	5
16	Butler	Marilyn	5
17	Campbell	Linda	2

Query executed successfully. BOSSMANNNS-LAPTO\SQLEXPRESS ... BOSSMANNNS-LAPTO\ADM_Ry... Phase3 00:00:00 158 rows

Q14:

SQLQuery1.sql - B...PTO\ADM_Ryan (53))*

```

use Phase3

select s.ServiceName, COUNT(rs.ServiceID) as '# of Referrals' from Referrals r
inner join ReferralServices rs on r.ReferralID = rs.ReferralID
inner join Services s on s.ServiceID = rs.ServiceID
where r.StartDate between '01/01/2014' and '12/31/2014' and r.EndDate between '01/01/2014' and '12/31/2014'
group by s.ServiceName
order by s.ServiceName

```

100 %

Results Messages

	ServiceName	# of Referrals
1	Bathing	44
2	Blood Pressure Monitoring	50
3	Blood Tests	55
4	Breathing Treatments	50
5	Catheter Care	50
6	Exercise Therapy	40
7	Feeding	46
8	Feeding Tube Care	45
9	General Hygiene	54
10	Injections (Other)	42
11	Insulin Injections	58
12	IV Maintenance	51
13	Medicine Administration	54
14	Surgical Prep	44
15	Wound Dressing	48

Query executed successfully.

BOSSMANN'S-LAPTO\SQLEXPRESS ... BOSSMANN'S-LAPTO\ADM_Ry... Phase3 00:00:00 15 rows

Q15:

PHASE 3 CREATION...ITASPC\rosal (58) code to fix null va...OSITASPC\rosal (56) Nicholas' Questions...SITASPC\rosal (53))*

```

group by s.supplydescription, ms.suppliername
order by s.supplydescription asc, ms.suppliername asc

--RYAN
--Q.15
select p.LastName, p.FirstName from Referrals r
inner join Patients p on p.PatientID = r.PatientID
inner join ReferralServices rs on r.ReferralID = rs.ReferralID
inner join Services s on s.ServiceID = rs.ServiceID
where s.ServiceName = 'Exercise Therapy' and r.StartDate between '01/01/2013' and '12/31/2013'
order by p.LastName ASC, p.FirstName ASC

```

89 %

Results Messages

	LastName	FirstName
1	Alvarado	Lorene
2	Andrews	Guillermo
3	Armstrong	Willard
4	Banks	Dora
5	Barnett	Lionel
6	Bennett	Janice
7	Burke	Morris
8	Byrd	Ben
9	Clayton	Irene
10	Coleman	Maria
11	Cox	Willie
12	Flores	Michelle
13	Fontaine	Alfred
14	Foster	Jeremy
15	Garcia	Ora
16	Gill	Lora
17	Grant	Boyd
18	Hernandez	Terry
19	Hopkins	Bonnie
20	Jefferson	Heather
21	Jensen	Terri

Query executed successfully.

ROSITASPC\SQLEXPRESS (15.0 ... ROSITASPC\rosal (53) HCO_DB 00:00:00 52 rows

Q16:


```
--Q. 16
select pa.LastName as 'Patient Last Name', ph.LastName as 'Physician Last Name', r.StartDate as 'Referral Start Date' from Referrals r
inner join Patients pa on pa.PatientID = r.PatientID
inner join Physicians ph on ph.PhysicianID = r.PhysicianID
inner join ReferralServices rs on rs.ReferralID = r.ReferralID
inner join Services s on s.ServiceID = rs.ServiceID
inner join Frequencies f on f.FrequencyID = rs.FrequencyID
where ServiceName = 'Insulin Injections' and Frequency <> '2X Daily'
order by ph.LastName, pa.LastName, r.StartDate
```

74 %

Results Messages

	Patient Last Name	Physician Last Name	Referral Start Date
1	Lawson	Allen	2013-06-21 00:00:00
2	Sanders	Bryant	2014-02-05 00:00:00
3	Simpson	Cook	2014-05-08 00:00:00
4	Lowe	Howard	2014-05-30 00:00:00
5	Miller	James	2013-04-12 00:00:00
6	Byrd	Jeffries	2014-11-22 00:00:00
7	Fernandez	King	2013-08-18 00:00:00
8	Franklin	Perry	2014-10-09 00:00:00
9	Gill	Sanders	2014-09-14 00:00:00
10	Powell	Smith	2013-05-14 00:00:00

Query executed successfully. ROSITASPC\SQLEXPRESS (15.0 ... ROSITASPC\rosal (57) HCO_DB 00:00:00 10 rows

Q17:

PHASE3_MY_QUESTI...TASPC\rosal (57))*

```
--Q.17
select pa.LastName as 'Patient Last Name', ph.LastName as 'Physician Last Name', r.StartDate as 'Referral Start Date', c.StartDate as 'Contract Start Date', PaymentType as 'Payment Method' from Contracts c
inner join Referrals r on r.ReferralID = c.ReferralID
inner join PaymentTypes pt on pt.PaymentTypeID = c.PaymentTypeID
inner join Patients pa on pa.PatientID = r.PatientID
inner join Physicians ph on ph.PhysicianID = r.PhysicianID
order by PaymentType, ph.LastName, pa.LastName, r.StartDate, c.StartDate
```

61 %

Results Messages

	Patient Last Name	Physician Last Name	Referral Start Date	Contract Start Date	Payment Method
1	Edwards	Adams	2014-11-04 00:00:00	2014-11-04 00:00:00	Insurance
2	Jenkins	Adams	2013-04-27 00:00:00	2013-04-27 00:00:00	Insurance
3	Terry	Adams	2013-09-22 00:00:00	2013-09-22 00:00:00	Insurance
4	Bryant	Alexander	2013-12-25 00:00:00	2013-12-25 00:00:00	Insurance
5	Stewart	Alexander	2013-03-02 00:00:00	2013-03-02 00:00:00	Insurance
6	Lawson	Allen	2013-06-21 00:00:00	2013-06-21 00:00:00	Insurance
7	Washington	Allen	2014-04-06 00:00:00	2014-04-06 00:00:00	Insurance
8	Miles	Anderson	2013-07-22 00:00:00	2013-07-22 00:00:00	Insurance
9	Tucker	Anderson	2014-04-30 00:00:00	2014-04-30 00:00:00	Insurance
10	Butler	Andrews	2014-02-21 00:00:00	2014-02-21 00:00:00	Insurance
11	Thornton	Andrews	2013-09-28 00:00:00	2013-09-28 00:00:00	Insurance
12	Bennett	Bailey	2014-08-24 00:00:00	2014-08-24 00:00:00	Insurance
13	Green	Bailey	2013-11-27 00:00:00	2013-11-27 00:00:00	Insurance
14	Washington	Baker	2013-04-15 00:00:00	2013-04-15 00:00:00	Insurance
15	May	Bell	2013-08-22 00:00:00	2013-08-22 00:00:00	Insurance
16	Gonzalez	Bennett	2013-04-03 00:00:00	2013-04-03 00:00:00	Insurance
17	Susman	Bennett	2014-06-06 00:00:00	2014-06-06 00:00:00	Insurance
18	King	Boman	2013-05-11 00:00:00	2013-05-11 00:00:00	Insurance

Query executed successfully. ROSITASPC\SQLEXPRESS (15.0 ... ROSITASPC\rosal (57) HCO_DB 00:00:00 825 rows

Q18:

PHASE3_MY_QUESTI...TASPC\rosal (57))*

```
--Q.18
select COUNT(PaymentType) as 'Number of Contracts' from Contracts c
inner join PaymentTypes pt on pt.PaymentTypeID = c.PaymentTypeID
where PaymentType = 'Insurance'
```

90 %

Results Messages

	Number of Contracts
1	273

Query executed successfully. ROSITASPC\SQLEXPRESS (15.0 ... ROSITASPC\rosal (57) | HCO_DB | 00:00:00 | 1 rows

Q19:

PHASE3_MY_QUESTI...TASPC\rosal (57))*

```
--Q.19
select InsuranceCompany as 'Insurance Company Name', COUNT(PaymentType) as 'Number of Contracts' from Contracts c
inner join PaymentTypes pt on pt.PaymentTypeID = c.PaymentTypeID
inner join InsuranceCompanies ic on ic.InsuranceID = c.InsuranceID
where PaymentType = 'Insurance'
group by InsuranceCompany
order by InsuranceCompany
```

90 %

Results Messages

	Insurance Company Name	Number of Contracts
1	All Insurance	62
2	Best Insurance	54
3	Friendly Insurance	45
4	Insurance One	44
5	Safety Insurance	68

Query executed successfully. ROSITASPC\SQLEXPRESS (15.0 ... ROSITASPC\rosal (57) | HCO_DB | 00:00:00 | 5 rows

Q20:

PHASE3_MY_QUESTI...TASPC\rosal (57))*

```
--Q.20
select CONCAT(FirstName, ISNULL(' ' + MiddleInitial + ' ', ' '), LastName) as 'Nurses' from Employees e

inner join EmployeeRanks er on er.RankID = e.RankID

inner join EmployeeTypes et on et.EmployeeTypeID = er.EmployeeTypeID

where EmployeeType = 'Nurse'
```

90 %

Results Messages

Nurses	
1	Jimmy T Alexander
2	Louis Baker
3	Annie S Barnes
4	Craig G Campbell
5	Ruby F Clark
6	Georgina A Cox
7	Gary U Diaz
8	Barbara N Echols
9	Keith O Evans
10	Betty T Gonzalez
11	Mary J Granda
12	Aaron S Henderson
13	Todd R Hill
14	Tammy S Jackson
15	Jena B Jena
16	Michelle D Johnson
17	Richard T Kelly
18	Jeffrey J Lee

Query executed successfully. ROSITASPC\SQLEXPRESS (15.0 ... ROSITASPC\rosal (57) HCO_DB 00:00:00 34 rows

Q21:

PHASE3_MY_QUESTI...TASPC\rosal (57))*

```
--Q.21
select AVG(HourlyWage) as 'Average Hourly Wage' from Employees e

inner join EmployeeRanks er on er.RankID = e.RankID

inner join EmployeeTypes et on et.EmployeeTypeID = er.EmployeeTypeID

where EmployeeType = 'Aide'
```

90 %

Results Messages

Average Hourly Wage	
1	10.8571428571429

Query executed successfully. ROSITASPC\SQLEXPRESS (15.0 ... ROSITASPC\rosal (57) HCO_DB 00:00:00 1 rows

Q22:

PHASE3_MY_QUESTI...TASPC\rosal (57))*

```
--Q.22
select SkillLevel as 'Skill Level', AVG(HourlyWage) as 'Average Wage' from Employees e
inner join EmployeeRanks er on er.RankID = e.RankID
inner join EmployeeSkillLevels esl on esl.SkillLevelID = er.SkillLevelID
group by SkillLevel
order by SkillLevel
```

90 %

Results Messages

	Skill Level	Average Wage
1	Level 1	10.3
2	Level 2	16.8571428571429
3	Level 3	33.5

Query executed successfully. ROSITASPC\SQLEXPRESS (15.0 ... | ROSITASPC\rosal (57) | HCO_DB | 00:00:00 | 3 rows

Q23:

```
select sum(Salary) as TotalSalaries
from Employees
```

99 %

Results Messages

	TotalSalaries
1	291000

Query executed successfully. DESKTOP-T6EKEQO\SQLEXPRESS ... | DESKTOP-T6EKEQO\justi ... | HCO_DB | 00:00:00 | 1 rows

Q24:

SQLQuery2.sql - DE...6EKEQO\justi (52))

```
select
    er.rankid,
    et.employeeetype,
    esl.skilllevel,
    etl.employeeetitle,
    count(*) as numberofemployees
from
    employees e
join
    employeeranks er on e.rankid = er.rankid
join
    employeeetypes et on er.employeeetypeid = et.employeeetypeid
join
    employeeskilllevels esl on er.skilllevelid = esl.skilllevelid
join
    employeetitles etl on er.titleid = etl.employeeetitleid
group by
    er.rankid,
    et.employeeetype,
    esl.skilllevel,
    etl.employeeetitle
order by
    er.rankid asc,
    et.employeeetype asc,
    esl.skilllevel asc,
    etl.employeeetitle asc
```

99 %

Results Messages

	rankid	employeeetype	skilllevel	employeeetitle	numberofemployees
1	1	Nurse	Level 2	LPN-1	3
2	2	Nurse	Level 2	LPN-2	5
3	3	Nurse	Level 3	LPN-3	2
4	4	Nurse	Level 3	LPN-4	2
5	5	Nurse	Level 3	LPN-5	2
6	6	Nurse	Level 3	RN-1	2
7	7	Nurse	Level 3	RN-2	2
8	8	Nurse	Level 3	RN-3	2
9	9	Nurse	Level 3	RN-4	2
10	10	Nurse	Level 3	RN-5	6
11	11	Nurse	Level 3	RN-6	3
12	12	Nurse	Level 3	RN-7	3
13	13	Aide	Level 1	A-1	3
14	14	Aide	Level 1	A-2	3
15	15	Aide	Level 1	A-3	2

Query executed successfully. DESKTOP-T6EKEQO\SQLEXPRESS ... DESKTOP-T6EKEQO\justi ... HCO_DB | 00:00:00 | 19 rows

Q25:

SQLQuery2.sql - DE...6EKEQO\justi (52))*

```
select
  e.lastname,
  e.firstname
from
  employees e
join
  employeeeranks er on e.rankid = er.rankid
join
  employeetypes et on er.employeeypeid = et.employeeypeid
join
  availability a on e.employeeid = a.employeeid
join
  daysofweek d on a.dayofweekid = d.dayofweekid
join
  shifts s on a.shiftid = s.shiftid
where
  et.employeetype = 'Nurse'
  and d.dayofweek = 'Sunday'
  and s.shiftname = 'Evening'
  and a.weekof = '2014-11-02'
order by
  e.lastname asc,
  e.firstname asc
```

99 %

Results Messages

	lastname	firstname
1	Alexander	Jimmy
2	Cox	Georgina
3	Hill	Todd
4	Johnson	Michelle
5	Kelly	Richard
6	Morgan	Janice
7	Powell	Alice
8	Smith	Randy
9	Taylor	Ashley
10	White	Laura

Query executed successfully. DESKTOP-T6EKEQO\SQLEXPRESS ... DESKTOP-T6EKEQO\justi ... HCO_DB 00:00:00 10 rows

Q26:

```
select
distinct
e.lastname,
e.firstname,
et.employeeetype,
etl.employeeetitle
from
employees e
join
employeeeranks er on e.rankid = er.rankid
join
employeeetypes et on er.employeeetypeid = et.employeeetypeid
join
employeeskilllevels esl on er.skilllevelid = esl.skilllevelid
join
employeeetitles etl on er.titleid = etl.employeeetitleid
join
availability a on e.employeeid = a.employeeid
join
daysofweek d on a.dayofweekid = d.dayofweekid
join
shifts s on a.shiftid = s.shiftid
where
esl.skilllevel = 'Level 3'
and s.shiftname = 'Morning'
and a.weekof = '2014-11-02'
order by
```

99 %

Results Messages

	lastname	firstname	employeeetype	employeeetitle
1	Lee	Jeffrey	Nurse	LPN-3
2	Wilson	Jerry	Nurse	LPN-3
3	Smith	Randy	Nurse	LPN-4
4	White	Laura	Nurse	LPN-4
5	Alexander	Jimmy	Nurse	LPN-5
6	Evans	Keith	Nurse	LPN-5
7	Lopez	Carlos	Nurse	RN-1
8	Thompson	Wilma	Nurse	RN-1
9	Cox	Georgina	Nurse	RN-2
10	Kelly	Richard	Nurse	RN-2
11	Jackson	Tammy	Nurse	RN-3
12	Rogers	Maria	Nurse	RN-3

Query executed successfully. DESKTOP-T6EKEQO\SQLEXPRESS ... DESKTOP-T6EKEQO\justi ... HCO_DB 00:00:00 26 rows

Q27:

```
select
sum(si.quantity) as total_catheters
from
supplyinventory si
join
supplies s on si.supplyid = s.supplyid
where
s.supplydescription = 'Catheters'
and year(si.datereceived) = 2013
```

99 %

Results Messages

	total_catheters
1	283

Query executed successfully. DESKTOP-T6EKEQO\SQLEXPRESS ... DESKTOP-T6EKEQO\justi ... HCO_DB 00:00:00 1 rows

Q28:

```
select
    sum(si.unitcost * si.quantity) as total_cost
from
    supplyinventory si
join
    supplies s on si.supplyid = s.supplyid
join
    medicalsuppliers ms on si.supplierid = ms.supplierid
where
    s.supplydescription = 'sterile gloves - small'
    and ms.suppliername = 'Poole's Medical Supplies'
    and year(si.datereceived) = 2013
```

99 %

Results Messages

	total_cost
1	1662

Query executed successfully. DESKTOP-T6EKEQO\SQLEXPRESS ... DESKTOP-T6EKEQO\justi ... HCO_DB 00:00:00 1 rows

Q29:

PHASE 3 CREATION...ITASPC\rosal (58) code to fix null va...OSITASPC\rosal (56) Nicholas' Questions...SITASPC\rosal (53)*

```
select s.supplydescription as supply, ms.suppliername as supplier, avg(si.unitcost) as average_cost_per_supply_item
from supplyinventory si
full join supplies s on si.supplyid = s.supplyid
full join medicalsuppliers ms on si.supplierid = ms.supplierid
group by s.supplydescription, ms.suppliername
order by s.supplydescription asc, ms.suppliername asc
```

89 %

Results Messages

	supply	supplier	average_cost_per_supply_item
1	10mm syringes	Lynchburg Medical Supplies	5.5
2	10mm syringes	Poole's Medical Supplies	6.26923076923077
3	2" Gauze	Lynchburg Medical Supplies	5.53846153846154
4	2" Gauze	Poole's Medical Supplies	6.19230769230769
5	2" Gauze	Virginia Medical Supplies	4.9811320754717
6	2" self-adhesive bandages	NULL	NULL
7	4" Gauze	Lynchburg Medical Supplies	5.66037735849057
8	4" self-adhesive bandages	Poole's Medical Supplies	6.42307692307692
9	4" self-adhesive bandages	Virginia Medical Supplies	4.73076923076923
10	adhesive tape - 1 1/2 in.	Poole's Medical Supplies	5.17307692307692
11	adhesive tape - 2 in.	Virginia Medical Supplies	5.09615384615385
12	catheters	Lynchburg Medical Supplies	4.92307692307692
13	catheters	Virginia Medical Supplies	5.65384615384615
14	paper adhesive tape	Lynchburg Medical Supplies	5.11538461538462
15	paper adhesive tape	Virginia Medical Supplies	4.46153846153846
16	sterile gloves - large	Lynchburg Medical Supplies	6.23076923076923
17	sterile gloves - large	Poole's Medical Supplies	5.38461538461539
18	sterile gloves - medium	Poole's Medical Supplies	4.69230769230769
19	sterile gloves - medium	Virginia Medical Supplies	6.15384615384615
20	sterile gloves - small	Poole's Medical Supplies	5.46153846153846
21	sterile wipes	Lynchburg Medical Supplies	4.80769230769231
22	sterile wipes	Poole's Medical Supplies	5.69230769230769

Query executed successfully. ROSITASPC\SQLEXPRESS (15.0 ... ROSITASPC\rosal (53) HCO_DB 00:00:00 22 rows

Q30:

```
SELECT ms.SupplierName, SUM(si.UnitCost * si.Quantity) AS TotalCost
FROM MedicalSuppliers ms
INNER JOIN SupplyInventory si ON ms.SupplierID = si.SupplierID
GROUP BY ms.SupplierName
ORDER BY ms.SupplierName ASC;
```

99 %

Results Messages

	SupplierName	TotalCost
1	Lynchburg Medical Supplies	11961
2	Poole's Medical Supplies	15712
3	Virginia Medical Supplies	11506

Query executed successfully.

ROSITASPC\SQLEXPRESS (15.0 ... ROSITASPC\rosal (57) HCO_DB 00:00:00 3 rows

Q31:

PHASE 3 CREATION...ITASPC\rosal (58) code to fix null va...OSITASPC\rosal (56) Nicholas' Questions...ITASPC\rosal (53)*

```
--Q.31
SELECT
    v.DateRendered,
    p.LastName AS PatientLastName,
    e.LastName AS EmployeeLastName,
    v.StartTime,
    v.EndTime
FROM Visits v
    INNER JOIN Patients p ON v.PatientID = p.PatientID
    INNER JOIN Employees e ON v.EmployeeID = e.EmployeeID
WHERE v.DateRendered BETWEEN '2014-03-20' AND '2014-03-25'
ORDER BY
    v.DateRendered ASC,
    p.LastName ASC,
    e.LastName ASC,
    v.StartTime ASC;
```

67 %

Results Messages

	DateRendered	PatientLastName	EmployeeLastName	StartTime	EndTime
1	2014-03-20 00:00:00	Adams	Nelson	13:00:00.0000000	13:30:00.0000000
2	2014-03-20 00:00:00	Allen	Jenkins	15:00:00.0000000	15:30:00.0000000
3	2014-03-20 00:00:00	Anderson	Coleman	19:00:00.0000000	19:30:00.0000000
4	2014-03-20 00:00:00	Anderson	Huddleston	09:00:00.0000000	09:30:00.0000000
5	2014-03-20 00:00:00	Baker	Lewis	13:00:00.0000000	13:30:00.0000000
6	2014-03-20 00:00:00	Bell	Lopez	10:00:00.0000000	10:30:00.0000000
7	2014-03-20 00:00:00	Bennett	Johnson	13:00:00.0000000	13:30:00.0000000
8	2014-03-20 00:00:00	Brooks	Green	15:00:00.0000000	15:30:00.0000000
9	2014-03-20 00:00:00	Butler	Murphy	10:00:00.0000000	10:30:00.0000000
10	2014-03-20 00:00:00	Campbell	Dennison	10:00:00.0000000	10:30:00.0000000
11	2014-03-20 00:00:00	Carter	Scott	18:00:00.0000000	18:30:00.0000000
12	2014-03-20 00:00:00	Coleman	King	15:00:00.0000000	15:30:00.0000000
13	2014-03-20 00:00:00	Cook	Murphy	16:00:00.0000000	16:30:00.0000000
14	2014-03-20 00:00:00	Cooper	Williams	15:00:00.0000000	15:30:00.0000000
15	2014-03-20 00:00:00	Davis	Chen	10:00:00.0000000	10:30:00.0000000
16	2014-03-20 00:00:00	Davis	Mitchell	13:00:00.0000000	13:30:00.0000000
17	2014-03-20 00:00:00	Edwards	Jena	09:00:00.0000000	09:30:00.0000000
18	2014-03-20 00:00:00	Evans	Scott	14:00:00.0000000	14:30:00.0000000
19	2014-03-20 00:00:00	Flores	White	11:00:00.0000000	11:30:00.0000000

Query executed successfully.

ROSITASPC\SQLEXPRESS (15.0 ... ROSITASPC\rosal (53) HCO_DB 00:00:00 472 rows

Q32:

```
--Q.32
SELECT SUM(vd.Charge) AS TotalCharges
FROM VisitDetails vd
    Inner Join Visits v ON vd.VisitID = v.VisitID
    Inner Join Patients p ON v.PatientID = p.PatientID
WHERE p.FirstName = 'Helen'
AND p.LastName = 'Ramirez'
AND v.DateRendered = '2014-02-12';
```

98 %

Results Messages

	TotalCharges
1	99

Query executed successfully. ROSITASPC\SQLEXPRESS (15.0 ... ROSITASPC\rosal (53) HCO_DB 00:00:00 1 rows

Q33:

```
--Q.33
SELECT COUNT(DISTINCT v.PatientID) AS 'Total Patients'
FROM Visits v
    Inner Join VisitDetails vd ON v.VisitID = vd.VisitID
    Inner Join Services s ON vd.ServiceID = s.ServiceID
Where s.ServiceName = 'Insulin Injections'
AND v.DateRendered BETWEEN '2014-01-01' AND '2014-12-31';
```

98 %

Results Messages

	Total Patients
1	58

Query executed successfully. ROSITASPC\SQLEXPRESS (15.0 ... ROSITASPC\rosal (53) HCO_DB 00:00:00 1 rows

Q34:

```
--Question 34
SELECT Count(s.SupplyDescription) AS 'Total Number of 4" self-adhesive Bandages'
FROM Supplies s
    INNER JOIN VisitDetails vd ON s.SupplyID = vd.SupplyID
    INNER JOIN Services sv ON vd.ServiceID = sv.ServiceID
    INNER JOIN Visits v ON vd.VisitID = v.VisitID
WHERE s.SupplyDescription = '4" self-adhesive bandages'
AND v.DateRendered BETWEEN '2014-01-01' AND '2014-12-31';
```

150 %

Results Messages

	Total Number of 4" self-adhesive Bandages
1	3453

Query executed successfully. | NICHSLT\SQLEXPRESS (15.0 RTM) | NICHSLT\neagy (52) | HCO_DB | 00:00:00 | 1 rows

Q35:

```
--35
--List the average charge per visit per month in 2014 broken out by months
--Month, average cost per visit
--Sort order: month number - ascending
select sc.Month, AVG(sc.SumCharge) AS 'Average Cost Per Visit'
from
(select Month(v.DateRendered) as Month, SUM(Charge) as SumCharge from Visits v
inner join VisitDetails vd on v.VisitID = vd.VisitID
where v.DateRendered between '2014-01-01' AND '2014-12-31'
group by v.VisitID, Month(v.DateRendered)) as sc
group by sc.Month
order by Month ASC;
```

100 %

Results Messages

	Month	Average Cost Per Visit
1	1	137.063394683027
2	2	138.177707006369
3	3	137.8382175833
4	4	137.165295437547
5	5	140.358419243986
6	6	141.119789842382
7	7	140.487752928647
8	8	140.156925540432
9	9	138.755357864941
10	10	141.600649350649
11	11	138.896123447497
12	12	141.174956114687

Query executed successfully. | LAPTOP-C6T6S0KM\SQLEXPRESS ... | LAPTOP-C6T6S0KM\jmbost... | PhaseThree | 00:00:00 | 12 rows

Q36:

PHASE 3 CREATION...ITASPC\rosal (58) code to fix null va...OSITASPC\rosal (56) Nicholas' Questions...SITASPC\rosal (53)*

```
--q.36
select Distinct
p.LastName,
p.FirstName
from Visits v
JOIN VisitDetails vd ON v.VisitID = vd.VisitID
JOIN Services s ON vd.ServiceID = s.ServiceID
JOIN Patients p ON v.PatientID = p.PatientID
where
s.ServiceName = 'Feeding'
and
v.DateRendered >= '2014-11-01'
Order By
p.LastName asc,
p.FirstName asc
```

81 %

Results Messages

	LastName	FirstName
1	Beck	Janice
2	Chandler	Ernesto
3	Clifford	Betty
4	Dobbins	Juliana
5	Frank	Danny
6	Franklin	Belinda
7	Gill	Lora
8	Gonzales	Cheryl
9	Gonzalez	Albert
10	Grayson	Alex
11	Green	Richard
12	Hall	Karla
13	Hammond	Peter
14	Lawson	Hazel
15	Lowe	William

Query executed successfully. ROSITASPC\SQL EXPRESS (15.0 ... ROSITASPC\rosal (53) HCO_DB 00:00:00 29 rows