

Assignment 3
James Livingstone

Answer #1

```
SELECT CourseNumber, CourseDescription, DepartmentName
FROM Courses AS C
JOIN Departments AS D ON C.DepartmentID = D.DepartmentID
ORDER BY DepartmentName, CourseNumber ASC;
```

	CourseNumber	CourseDescription	DepartmentName
1	13524	Statistical Analysis	Business
2	24653	Intro to Marketing	Business
3	32751	Business Writing	Business
4	36598	Beginning Accounting	Business
5	81256	Intro to Management	Business
6	96032	Social Media	Business
7	98765	Intermediate Accounting	Business
8	14862	Primary Education	Education
9	64321	Secondary Education	Education
10	90908	Educational Theory	Education
11	28177	Classic Literature	English
12	37645	Composition	English
13	55783	Shakespeare	English
14	74832	Creative Writing	English
15	22679	Intro to Calculus	Mathematics
16	44386	Trigonometry	Mathematics
17	48926	Abstract Algebra	Mathematics
18	15487	Music Theory	Music
19	33218	Marching Band	Music

Query executed successfully. | MSI (15.0 RTM) | MSI\fred (66) | MurachCollege | 00:00:00 | 25 rows

Assignment 3
James Livingstone

Answer #2

```
SELECT LastName, FirstName, CourseNumber, CourseDescription
FROM Instructors AS I
JOIN Courses AS C ON I.DepartmentID = C.DepartmentID
WHERE Status = 'P'
ORDER BY LastName, FirstName ASC;
```

	LastName	FirstName	CourseNumber	CourseDescription
1	Black	Bill	14862	Primary Education
2	Black	Bill	64321	Secondary Education
3	Black	Bill	90908	Educational Theory
4	Paxton	Arnold	15487	Music Theory
5	Paxton	Arnold	33218	Marching Band
6	Rogers	NULL	36598	Beginning Accounting
7	Rogers	NULL	13524	Statistical Analysis
8	Rogers	NULL	24653	Intro to Marketing
9	Rogers	NULL	98765	Intermediate Accounting
10	Rogers	NULL	96032	Social Media
11	Rogers	NULL	81256	Intro to Management
12	Rogers	NULL	32751	Business Writing
13	Thomas	Derrick	15487	Music Theory
14	Thomas	Derrick	33218	Marching Band
15	Thomas	William	28177	Classic Literature
16	Thomas	William	55783	Shakespeare
17	Thomas	William	74832	Creative Writing
18	Thomas	William	37645	Composition
19	Vilma	Jonathan	36598	Beginning Accounting

Query executed successfully. | MSI (15.0 RTM) | MSI\fred (66) | MurachCollege | 00:00:00 | 28 rows

Assignment 3
James Livingstone

Answer #3

```
SELECT DepartmentName, CourseDescription, LastName, FirstName
FROM Departments AS D
      JOIN Courses AS C ON C.DepartmentID = D.DepartmentID
      JOIN Instructors AS I ON I.DepartmentID = C.DepartmentID
ORDER BY DepartmentName, CourseDescription ASC;
```

Results		Messages		
	DepartmentName	CourseDescription	LastName	FirstName
1	Business	Beginning Accounting	Brown	Billy
2	Business	Beginning Accounting	Green	Gene
3	Business	Beginning Accounting	Rogers	NULL
4	Business	Beginning Accounting	Vilma	Jonathan
5	Business	Business Writing	Brown	Billy
6	Business	Business Writing	Green	Gene
7	Business	Business Writing	Rogers	NULL
8	Business	Business Writing	Vilma	Jonathan
9	Business	Intermediate Accounting	Brown	Billy
10	Business	Intermediate Accounting	Green	Gene
11	Business	Intermediate Accounting	Rogers	NULL
12	Business	Intermediate Accounting	Vilma	Jonathan
13	Business	Intro to Management	Brown	Billy
14	Business	Intro to Management	Green	Gene
15	Business	Intro to Management	Rogers	NULL
16	Business	Intro to Management	Vilma	Jonathan
17	Business	Intro to Marketing	Brown	Billy
18	Business	Intro to Marketing	Green	Gene
19	Business	Intro to Marketing	Rogers	NULL

Query executed successfully. | MSI (15.0 RTM) | MSI\fred (66) | MurachCollege | 00:00:00 | 66 rows

Assignment 3
James Livingstone

Answer #4

```
SELECT DepartmentName, CourseDescription, LastName, FirstName
FROM Departments AS D
      JOIN Courses AS C ON C.DepartmentID = D.DepartmentID
      JOIN StudentCourses AS SC ON SC.CourseID = C.CourseID
      JOIN Students AS S ON S.StudentID = SC.StudentID
WHERE DepartmentName = 'English'
ORDER BY DepartmentName, CourseDescription ASC;
```

	DepartmentName	CourseDescription	LastName	FirstName
1	English	Classic Literature	Momsey	Monica
2	English	Classic Literature	Jackson	Floyd
3	English	Classic Literature	Gardner	Faye
4	English	Classic Literature	George	Mona
5	English	Classic Literature	Biden	Jonas
6	English	Composition	Manning	Vincent
7	English	Composition	Johnson	Timothy
8	English	Creative Writing	Taylor	Donna
9	English	Creative Writing	Goodell	Conner
10	English	Creative Writing	Griffin	Gerald
11	English	Creative Writing	Biden	Jonas
12	English	Shakespeare	Williams	Bonnie
13	English	Shakespeare	Camden	James
14	English	Shakespeare	Jones	Andrew
15	English	Shakespeare	Goodell	Conner

Query executed successfully. | MSI (15.0 RTM) | MSI\fred (66) | MurachCollege | 00:00:00 | 15 rows

Assignment 3
James Livingstone

Answer #5

```
SELECT ID.DepartmentName AS 'InstructorDept', I.LastName, I.FirstName,  
C.CourseDescription, CD.DepartmentName AS 'CourseDept'  
FROM Courses AS C  
      JOIN Departments AS CD ON C.DepartmentID = CD.DepartmentID  
      JOIN Instructors AS I ON C.InstructorID = I.InstructorID  
      JOIN Departments AS ID ON I.DepartmentID = ID.DepartmentID  
WHERE CD.DepartmentID != ID.DepartmentID;
```

Results Messages					
	InstructorDept	LastName	FirstName	CourseDescription	CourseDept
1	English	Jones	Sally	Business Writing	Business

Query executed successfully. | MSI (15.0 RTM) | MSI\fred (66) | MurachCollege | 00:00:00 | 1 rows

Assignment 3
James Livingstone

Answer #6

```
SELECT HR.BusinessEntityID AS ID, LastName AS 'last name', FirstName AS 'first name',  
JobTitle AS 'job title', BirthDate AS 'date of birth'  
FROM HumanResources.Employee AS HR  
JOIN Person.Person AS P ON HR.BusinessEntityID = P.BusinessEntityID  
ORDER BY 'last name', 'first name';
```

Results		Messages				
	ID	last name	first name	job title	date of birth	
1	285	Abbas	Syed	Pacific Sales Manager	1975-01-11	
2	38	Abercrombie	Kim	Production Technician - WC60	1966-12-14	
3	211	Abolrous	Hazem	Quality Assurance Manager	1977-10-26	
4	121	Ackerman	Pilar	Shipping and Receiving Supervisor	1972-09-09	
5	67	Adams	Jay	Production Technician - WC60	1976-02-11	
6	270	Ajenstat	François	Database Administrator	1975-05-17	
7	287	Alberts	Amy	European Sales Manager	1957-09-20	
8	207	Alderson	Greg	Production Technician - WC45	1970-10-18	
9	216	Alexander	Sean	Quality Assurance Technician	1976-03-06	
10	227	Altman	Gary	Facilities Manager	1971-02-18	
11	43	Anderson	Nancy	Production Technician - WC60	1988-11-19	
12	280	Ansman-Wolfe	Pamela	Sales Representative	1974-12-06	
13	217	Arfin	Zainal	Document Control Manager	1976-01-30	
14	269	Bacon	Dan	Application Specialist	1987-05-26	
15	41	Baker	Bryan	Production Technician - WC60	1973-08-27	
16	104	Baker	Mary	Production Technician - WC10	1986-09-19	
17	115	Barbariol	Angela	Production Technician - WC50	1991-05-31	
18	262	Barber	David	Assistant to the Chief Financial Officer	1964-06-21	
19	235	Barreto de Mattos	Paula	Human Resources Manager	1976-02-11	
20	20	Benshoof	Wanida	Marketing Assistant	1975-03-17	
21	267	Berg	Karen	Application Specialist	1978-05-19	
22	220	Berge	Karen	Document Control Assistant	1975-12-25	
23	214	Berglund	Andreas	Quality Assurance Technician	1989-03-28	
24	125	Bemdt	Matthias	Shipping and Receiving Clerk	1973-11-11	
25	231	Bery	Jo	Janitor	1954-04-24	

Query executed successfully. | MSI (15.0 RTM) | MSI\fred (66) | AdventureWorks2017 | 00:00:00 | 290 rows

Assignment 3
James Livingstone

Answer #7

```
SELECT LastName + ', ' + FirstName AS FullName, SalesYTD, CommissionPct * SalesYTD AS  
'CommissionYTD'  
FROM Sales.SalesPerson AS S  
JOIN Person.Person AS P ON S.BusinessEntityID = P.BusinessEntityID  
ORDER BY SalesYTD DESC  
OFFSET 0 ROWS  
FETCH FIRST 5 ROWS ONLY;
```

Results		Messages	
	FullName	SalesYTD	CommissionYTD
1	Mitchell, Linda	4251368.5497	63770.5282
2	Pak, Jae	4116871.2277	82337.4246
3	Blythe, Michael	3763178.1787	45158.1381
4	Carson, Jillian	3189418.3662	47841.2755
5	Varkey Chudukatil, Ranjit	3121616.3202	49945.8611

Query executed successfully. | MSI (15.0 RTM) | MSI\fred (66) | AdventureWorks2017 | 00:00:00 | 5 rows

Assignment 3

James Livingstone

Answer #8

```
SELECT LastName + ', ' + FirstName AS 'EmpolyeeName', JobTitle AS 'job title',
BirthDate AS 'date of birth', AddressLine1 + ' ' + City + ' ' + 'State' + ' ' +
PostalCode AS CSZ,
PhoneNumber AS 'phone number', PPN.PhoneNumberTypeID AS 'type of phone number'
FROM HumanResources.Employee AS HR
JOIN Person.Person AS P ON HR.BusinessEntityID = P.BusinessEntityID
JOIN Person.BusinessEntityAddress AS PB ON P.BusinessEntityID = PB.BusinessEntityID
JOIN Person.Address AS PA ON PB.AddressID = PA.AddressID
JOIN Person.StateProvince AS PSP ON PA.StateProvinceID = PSP.StateProvinceID
JOIN Person.PersonPhone AS PPP ON HR.BusinessEntityID = PPP.BusinessEntityID
JOIN Person.PhoneNumberType AS PPN ON PPP.PhoneNumberTypeID = PPN.PhoneNumberTypeID;
```

	EmpolyeeName	job title	date of birth	CSZ	phone number	type of phone number
1	Miller, Ben	Buyer	1973-06-03	101 Candy Rd. Redmond State 98052	151-555-0113	3
2	Vargas, Garrett	Sales Representative	1975-02-04	10203 Acom Avenue Calgary State T2P 2G8	922-555-0165	3
3	Mares, Gabe	Production Technician - WC40	1988-05-10	1061 Buskrik Avenue Edmonds State 98020	310-555-0117	3
4	D'sa, Reuben	Production Supervisor - WC40	1987-08-27	1064 Slow Creek Road Seattle State 98104	191-555-0112	3
5	Hee, Gordon	Buyer	1966-11-29	108 Lakeside Court Bellevue State 98004	230-555-0144	1
6	Khanna, Karan	Production Technician - WC60	1970-03-07	1102 Ravenwood Seattle State 98104	447-555-0186	3
7	Ajenstat, François	Database Administrator	1975-05-17	1144 Paradise Ct. Issaquah State 98027	785-555-0110	1
8	Hampadounsataya, Sariya	Marketing Specialist	1987-05-21	1185 Dallas Drive Everett State 98201	399-555-0176	3
9	Koenigsbauer, Kirk	Production Technician - WC45	1985-02-06	1220 Bradford Way Seattle State 98104	669-555-0150	3
10	Ralls, Kim	Stocker	1984-04-30	1226 Shoe St. Bothell State 98011	309-555-0129	3
11	Raheem, Michael	Research and Development Manager	1984-11-30	1234 Seaside Way San Francisco State 94109	330-555-2568	3
12	Seamans, Mike	Accountant	1979-07-01	1245 Clay Road Index State 98256	927-555-0150	3
13	Koch, Reed	Production Technician - WC30	1989-01-08	1275 West Street Redmond State 98052	678-555-0110	3
14	Fakhouri, Fadi	Production Technician - WC20	1989-02-15	1285 Greenbrier Street Snohomish State 98296	935-555-0116	3
15	Singh, Paul	Production Technician - WC20	1990-11-04	1343 Prospect St Bellevue State 98004	727-555-0112	1
16	Diaz, Brenda	Production Supervisor - WC40	1983-02-28	1349 Steven Way Seattle State 98104	142-555-0139	3
17	Richins, Jack	Production Supervisor - WC30	1983-06-22	1356 Grove Way Monroe State 98272	552-555-0111	3
18	Evans, John	Production Technician - WC50	1978-05-31	136 Balboa Court Seattle State 98104	172-555-0130	1
19	Myer, Ken	Production Technician - WC40	1981-05-28	1362 Somerset Place Everett State 98201	949-555-0174	3
20	Moreland, Barbara	Accountant	1976-01-04	137 Mazatlan Seattle State 98104	822-555-0145	1
21	Kurjan, Eric	Buyer	1972-09-17	1378 String Dr Renton State 98055	265-555-0195	3
22	Walton, Bryan	Accounts Receivable Specialist	1984-09-20	1397 Paradise Ct. Newport Hills State 98006	935-555-0199	3

Query executed successfully.

MSI (15.0 RTM)

MSI\fred (66)

AdventureWorks2017

00:00:00

290 rows

Assignment 3
James Livingstone

Answer #9

```
SELECT BusinessEntityID, FirstName, MiddleName, LastName
FROM Person.Person
WHERE FirstName LIKE '[EIN]_____'
AND LastName LIKE 'Z%';
```

Results		Messages			
	BusinessEntityID	FirstName	MiddleName	LastName	
1	2077	Eugene	NULL	Zabokritski	
2	173	Eugene	R	Zabokritski	
3	6495	Ernest	M	Zeng	
4	5498	Eugene	NULL	Zeng	
5	5916	Elijah	NULL	Zhang	
6	6447	Ernest	M	Zhang	
7	5441	Eugene	C	Zhang	
8	5973	Nathan	L	Zhang	
9	6470	Ernest	C	Zhao	
10	5465	Eugene	NULL	Zhao	
11	5490	Eugene	NULL	Zheng	
12	6466	Ernest	P	Zhou	
13	6478	Ernest	NULL	Zhu	
14	5476	Eugene	D	Zhu	

✓ Query executed successfully. | MSI (15.0 RTM) | MSI\fred (76) | AdventureWorks2017 | 00:00:00 | 14 rows

Assignment 3
James Livingstone

Answer #10

```
SELECT LastName + ', ' + FirstName AS EmployeeName, EmailAddress AS Email
FROM HumanResources.Employee AS HR
    JOIN Person.Person AS P ON HR.BusinessEntityID = P.BusinessEntityID
    JOIN HumanResources.EmployeeDepartmentHistory AS HRDH ON P.BusinessEntityID =
HRDH.BusinessEntityID
    AND EndDate IS NULL
    JOIN HumanResources.Department AS HRD ON HRDH.DepartmentID = HRD.DepartmentID
    JOIN Person.EmailAddress AS PE ON HRDH.BusinessEntityID = PE.BusinessEntityID
WHERE GroupName = 'Executive General and Administration';
```

Results		Messages
	EmployeeName	Email
1	Barreto de Mattos, Paula	paula0@adventure-works.com
2	Culbertson, Grant	grant0@adventure-works.com
3	Chen, Hao	hao0@adventure-works.com
4	Luthra, Vidur	vidur0@adventure-works.com
5	Martin, Mindy	mindy0@adventure-works.com
6	Johnson, Willis	willis0@adventure-works.com
7	Liu, David	david6@adventure-works.com
8	Poe, Deborah	deborah0@adventure-works.com
9	Spoon, Candy	candy0@adventure-works.com
10	Walton, Bryan	bryan1@adventure-works.com
11	Moreland, Barbara	barbara1@adventure-works.com
12	Tomic, Dragan	dragan0@adventure-works.com
13	Sheperdigian, Janet	janet0@adventure-works.com
14	Seamans, Mike	mike0@adventure-works.com
15	Kahn, Wendy	wendy0@adventure-works.com
16	Barber, David	david5@adventure-works.com
17	Trenary, Jean	jean0@adventure-works.com
18	Conroy, Stephanie	stephanie0@adventure-works.com
19	Shama, Ashvini	ashvini0@adventure-works.com

Query executed successfully. | MSI (15.0 RTM) | MSI\fred (76) | AdventureWorks2017 | 00:00:00 | 35 rows