

Domas Budrys Screenshot 6

Question 1:

The screenshot displays the Microsoft SQL Server Management Studio interface. The main window shows a SQL query in the query editor, which is a SELECT statement joining the HumanResources.Employee table with the Person.Person and Person.PersonPhone tables. The query selects BusinessEntityID, Title, FirstName, LastName, Years Working (calculated as DATEDIFF), Area Code (extracted from the phone number), VacationHours, and SickLeaveHours. The results pane at the bottom shows 11 rows of data.

SQL Query:

```
SELECT E.BusinessEntityID, P.Title, P.FirstName, P.LastName,
DATEDIFF(yy, E.HireDate, getdate()) AS [Years Working], SUBSTRING(P.PhoneNumber, 1, 3) AS [Area Code],
E.VacationHours, E.SickLeaveHours
FROM HumanResources.Employee AS E
JOIN Person.Person AS P
ON E.BusinessEntityID = P.BusinessEntityID
JOIN Person.PersonPhone AS PP
ON P.BusinessEntityID = PP.BusinessEntityID
```

Query Results:

	BusinessEntityID	Title	FirstName	LastName	Years Working	Area Code	VacationHours	SickLeaveHours
1	1	NULL	Ken	Sánchez	14	697	99	69
2	2	NULL	Teri	Duffy	15	819	1	20
3	3	NULL	Roberto	Tamburello	16	212	2	21
4	4	NULL	Rob	Walters	15	612	48	80
5	5	Ms.	Gail	Erickson	15	849	5	22
6	6	Mr.	Jossef	Goldberg	15	122	6	23
7	7	NULL	Dylan	Miller	14	181	61	50
8	8	NULL	Diane	Margheim	14	815	62	51
9	9	NULL	Gigi	Matthew	14	185	63	51
10	10	NULL	Michael	Raheem	14	330	16	64
11	11	NULL	Ovidiu	Craciun	12	719	7	23

Query executed successfully... | DOMAS-PC\SQLEXPRESS (11.0 RTM) | Domas-PC\Domas (54) | AdventureWorks2012 | 00:00:00 | 290 rows

Question 2:

Windows 7 [Running]

SQLQuery2.sql - DOMAS-PC\SQLEXPRESS.AdventureWorks2012 (Domas-PC\Domas (55))* - Microsoft SQL Server Management Studio

File Edit View Query Project Debug Tools Window Help

AdventureWorks2012 Execute Debug

Object Explorer

Connect

System Databases

AdventureWorks2012 (Read-Only)

Database Diagrams

Tables

System Tables

FileTables

dbo.AWBuildVersion

dbo.DatabaseLog

dbo.ErrorLog

HumanResources.Department

HumanResources.Employee

HumanResources.EmployeeDepart

HumanResources.EmployeePayHi

HumanResources.JobCandidate

HumanResources.Shift

Person.Address

Person.AddressType

Person.BusinessEntity

Person.BusinessEntityAddress

Person.BusinessEntityContact

Person.ContactType

Person.CountryRegion

Person.EmailAddress

Person.Password

Person.Person

Person.PersonPhone

Person.PhoneNumberType

Person.StateProvince

Production.BillOfMaterials

Production.Culture

SQLQuery2.sql - D:\as-PC\Domas (55))* SQLQuery1.sql - D:\as-PC\Domas (54))*

```
SELECT E.BusinessEntityID, P.Title, P.FirstName, P.LastName,  
DATEDIFF(yy, E.HireDate, getdate()) AS [Years Working], SUBSTRING(P.PhoneNumber, 1, 3) AS [Area Code],  
E.VacationHours, E.SickLeaveHours  
  
FROM HumanResources.Employee AS E  
  
JOIN Person.Person AS P  
ON E.BusinessEntityID = P.BusinessEntityID  
  
JOIN Person.PersonPhone AS PP  
ON P.BusinessEntityID = PP.BusinessEntityID  
  
WHERE E.VacationHours >= 80
```

Results Messages

	BusinessEntityID	Title	FirstName	LastName	Years Working	Area Code	VacationHours	SickLeaveHours
1	1	NULL	Ken	Sánchez	14	697	99	69
2	27	NULL	Jo	Brown	15	632	80	60
3	40	NULL	JoLynn	Dobney	15	903	82	61
4	48	NULL	Ruth	Ellerbrock	15	145	83	61
5	49	NULL	Barry	Johnson	15	206	88	64
6	50	NULL	Sidney	Higa	15	424	84	62
7	51	NULL	Jeffrey	Ford	15	984	85	62
8	52	NULL	Doris	Hartwig	15	328	86	63
9	53	NULL	Diane	Glimp	15	202	87	63
10	54	NULL	Bonnie	Keamey	13	264	89	64
11	62	NULL	John	Campbell	15	435	81	60

Query executed successfully... DOMAS-PC\SQLEXPRESS (11.0 RTM) Domas-PC\Domas (55) AdventureWorks2012 00:00:00 60 rows

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Question 3:

Windows 7 [Running]

SQLQuery2.sql - DOMAS-PC\SQLEXPRESS.AdventureWorks2012 (Domas-PC\Domas (55))* - Microsoft SQL Server Management Studio

File Edit View Query Project Debug Tools Window Help

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System Databases

AdventureWorks2012 (Read-Only)

Database Diagrams

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HumanResources.Department

HumanResources.Employee

HumanResources.EmployeeDepartments

HumanResources.EmployeePayHistory

HumanResources.JobCandidate

HumanResources.Shift

Person.Address

Person.AddressType

Person.BusinessEntity

Person.BusinessEntityAddress

Person.BusinessEntityContact

Person.ContactType

Person.CountryRegion

Person.EmailAddress

Person.Password

Person.Person

Person.PersonPhone

Person.PhoneNumberType

Person.StateProvince

Production.BillOfMaterials

Production.Culture

SQLQuery2.sql - D:\as-PC\Domas (55))* SQLQuery1.sql - D:\as-PC\Domas (54))*

```
SELECT COUNT (*) AS [NumberOfEmployeesHired], DATENAME(MONTH, E.HireDate) AS [MonthHired]
FROM HumanResources.Employee AS E
GROUP BY DATENAME(MONTH, E.HireDate), MONTH(E.HireDate)
HAVING COUNT(*) >=0
ORDER BY MONTH(E.HireDate)
```

Results Messages

	NumberOfEmployeesHired	MonthHired
1	82	January
2	77	February
3	84	March
4	29	April
5	1	May
6	1	June
7	14	July
8	1	November
9	1	December

Query executed successful... DOMAS-PC\SQLEXPRESS (11.0 RTM) | Domas-PC\Domas (55) | AdventureWorks2012 | 00:00:00 | 9 rows

Ready Ln 9 Col 27 Ch 27 INS

Question 4:

Windows 7 [Running]

SQLQuery2.sql - DOMAS-PC\SQLEXPRESS.AdventureWorks2012 (Domas-PC\Domas (55))* - Microsoft SQL Server Management Studio

File Edit View Query Project Debug Tools Window Help

AdventureWorks2012 Execute Debug

Object Explorer

Connect

System Databases

AdventureWorks2012 (Read-Only)

Database Diagrams

Tables

System Tables

FileTables

dbo.AWBUILDVersion

dbo.DatabaseLog

dbo.ErrorLog

HumanResources.Department

HumanResources.Employee

HumanResources.EmployeeDepartments

HumanResources.EmployeePayHistory

HumanResources.JobCandidate

HumanResources.Shift

Person.Address

Person.AddressType

Person.BusinessEntity

Person.BusinessEntityAddress

Person.BusinessEntityContact

Person.ContactType

Person.CountryRegion

Person.EmailAddress

Person.Password

Person.Person

Person.PersonPhone

Person.PhoneNumberType

Person.StateProvince

Production.BillOfMaterials

Production.Culture

SQLQuery2.sql - D:\as-PC\Domas (55))* SQLQuery1.sql - D:\as-PC\Domas (54))*

```
SELECT E.BusinessEntityID, P.FirstName, P.LastName, A.AddressLine1, A.City,
SP.Name AS State, A.PostalCode, E.HireDate, D.Name

FROM HumanResources.Employee AS E

JOIN Person.Person AS P
ON E.BusinessEntityID = P.BusinessEntityID

JOIN Person.BusinessEntityAddress AS BA
ON P.BusinessEntityID = BA.BusinessEntityID

JOIN Person.Address AS A
ON BA.AddressID = A.AddressID

JOIN Person.StateProvince AS SP
ON A.StateProvinceID = SP.StateProvinceID
```

100 %

Results Messages

	BusinessEntityID	FirstName	LastName	AddressLine1	City	State	PostalCode	HireDate	Name
1	25	James	Hamilton	9652 Los Angeles	Monroe	Washington	98272	2003-03-07	Productio
2	27	Jo	Brown	9693 Mellowood Street	Duvall	Washington	98019	2002-03-30	Productio
3	28	Guy	Gilbert	7726 Driftwood Drive	Monroe	Washington	98272	2000-07-31	Productio
4	29	Mark	McArthur	9863 Ridge Place	Redmond	Washington	98052	2003-02-24	Productio
5	30	Britta	Simon	2046 Las Palmas	Edmonds	Washington	98020	2003-03-02	Productio
6	31	Margie	Shoop	2080 Sycamore Drive	Edmonds	Washington	98020	2003-02-05	Productio
7	32	Rebecca	Laszlo	3197 Thornhill Place	Bellevue	Washington	98004	2003-01-30	Productio
8	33	Annik	Stahl	7842 Ygnacio Valley Road	Seattle	Washington	98104	2003-01-18	Productio
9	34	Suchitra	Mohan	5678 Clear Court	Bellevue	Washington	98004	2003-03-20	Productio
10	35	Brandon	Heidepriem	8000 Crane Court	Redmond	Washington	98052	2003-03-12	Productio

Query executed successfully... DOMAS-PC\SQLEXPRESS (11.0 RTM) Domas-PC\Domas (55) AdventureWorks2012 00:00:00 186 rows

Ready Ln 7 Col 43 Ch 43 INS

Question 5:

Windows 7 [Running]

SQLQuery4.sql - DOMAS-PC\SQLLEXPRESS.AdventureWorks2012 (Domas-PC\Domas (56))* - Microsoft SQL Server Management Studio

File Edit View Query Project Debug Tools Window Help

AdventureWorks2012 Execute Debug

Object Explorer

- System Tables
- FileTables
- dbo.AWBuildVersion
- dbo.DatabaseLog
- dbo.ErrorLog
- HumanResources.D
- HumanResources.E
- HumanResources.E
- HumanResources.E
- HumanResources.Jc
- HumanResources.S
- Person.Address
- Person.AddressType
- Person.BusinessEnti
- Person.BusinessEnti
- Person.BusinessEnti
- Person.ContactType
- Person.CountryReg
- Person.EmailAddress
- Person.Password
- Person.Person
- Person.PersonPhon
- Person.PhoneNuml
- Person.StateProvinc
- Production.BillOfM
- Production.Culture
- Production.Docum
- Production.Illustrati
- Production.Location
- Production.Product

SQLQuery4.sql - D...as-PC\Domas (56))* x SQLQuery1.sql - D...as-PC\Domas (54))*

```
SELECT E.BusinessEntityID, P.FirstName, P.LastName, E.VacationHours
FROM HumanResources.Employee AS E
JOIN Person.Person AS P
ON E.BusinessEntityID = P.BusinessEntityID
JOIN HumanResources.EmployeeDepartmentHistory AS ED
ON E.BusinessEntityID = ED.BusinessEntityID
JOIN HumanResources.Shift AS S
ON ED.ShiftID = S.ShiftID
JOIN HumanResources.EmployeePayHistory AS EH
ON E.BusinessEntityID = EH.BusinessEntityID
WHERE S.Name LIKE 'Evening'
```

100 %

Results Messages

BusinessEntityID	FirstName	LastName	VacationHours
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Query executed successfully... | DOMAS-PC\SQLLEXPRESS (11.0 RTM) | Domas-PC\Domas (56) | AdventureWorks2012 | 00:00:00 | 0 rows