SELECT *

FROM HumanResources. Employee**;**

	BusinessEntityID	NationalIDNumber	LoginID	OrganizationNode	OrganizationLevel	JobTitle	BirthDate	MaritalStatus	Gender	HireDate	SalariedFlag	VacationHours	SickLeaveHours	CurrentFlag	rowguid
1	1	295847284	adventure-works\ken0	NULL	NULL	Chief Executive Officer	1969-01-29	S	M	2009-01-14	1	99	69	1	F01251E5-96A
2	2	245797967	adventure-works\terri0	0x58	1	Vice President of Engineering	1971-08-01	S	F	2008-01-31	1	1	20	1	45E8F437-670
3	3	509647174	adventure-works\roberto0	0x5AC0	2	Engineering Manager	1974-11-12	M	M	2007-11-11	1	2	21	1	9BB8FB2C-EFI
4	4	112457891	adventure-works\rob0	0x5AD6	3	Senior Tool Designer	1974-12-23	S	M	2007-12-05	0	48	80	1	59747955-87B
5	5	695256908	adventure-works\gail0	0x5ADA	3	Design Engineer	1952-09-27	M	F	2008-01-06	1	5	22	1	EC84AE09-F9E
6	6	998320692	adventure-works\jossef0	0x5ADE	3	Design Engineer	1959-03-11	M	M	2008-01-24	1	6	23	1	E39056F1-9CD
7	7	134969118	adventure-works\dylan0	0x5AE1	3	Research and Development Manager	1987-02-24	M	M	2009-02-08	1	61	50	1	4F46DECA-EFI
8	8	811994146	adventure-works\diane1	0x5AE158	4	Research and Development Engineer	1986-06-05	S	F	2008-12-29	1	62	51	1	31112635-663
9	9	658797903	adventure-works\gigi0	0x5AE168	4	Research and Development Engineer	1979-01-21	M	F	2009-01-16	1	63	51	1	50B6CDC6-757
10	10	879342154	adventure-works\michael6	0x5AE178	4	Research and Development Manager	1984-11-30	M	M	2009-05-03	1	16	64	1	EAA43680-557
11	11	974026903	adventure-works\ovidiu0	0x5AE3	3	Senior Tool Designer	1978-01-17	S	M	2010-12-05	0	7	23	1	F68C7C19-FAC
12	12	480168528	adventure-works\thierry0	0x5AE358	4	Tool Designer	1959-07-29	M	M	2007-12-11	0	9	24	1	1D955171-E77
13	13	486228782	adventure-works\janice0	0x5AE368	4	Tool Designer	1989-05-28	M	F	2010-12-23	0	8	24	1	954B91B6-5AA
14	14	42487730	adventure-works\michael8	0x5AE5	3	Senior Design Engineer	1979-06-16	S	M	2010-12-30	1	3	21	1	46286CA4-46D
15	15	56920285	adventure-works\sharon0	0x5AE7	3	Design Engineer	1961-05-02	M	F	2011-01-18	1	4	22	1	54F2FDC0-87C
16	16	24756624	adventure-works\david0	0x68	1	Marketing Manager	1975-03-19	S	M	2007-12-20	1	40	40	1	E87029AA-2CE
17	17	253022876	adventure-works\kevin0	0x6AC0	2	Marketing Assistant	1987-05-03	S	M	2007-01-26	0	42	41	1	1B480240-95C

SELECT *

FROM HumanResources. Employee

ORDER BY jobtitle;

	BusinessEntityID	NationalIDNumber	LoginID	OrganizationNode	OrganizationLevel	JobTitle	BirthDate	MaritalStatus	Gender	HireDate	SalariedFlag	VacationHours	SickLeaveHours	CurrentFlag	rowguid
1	245	363910111	adventure-works\barbara1	0x85B080	3	Accountant	1976-01-04	M	F	2009-02-18	1	58	49	1	3FFBA84E-8E9
2	248	480951955	adventure-works\mike0	0x85B380	3	Accountant	1979-07-01	S	M	2009-03-08	1	59	49	1	AC35337D-7C7
3	241	30845	adventure-works\david6	0x85A0	2	Accounts Manager	1983-07-08	M	M	2009-01-30	1	57	48	1	2DC9D534-F5E
4	246	663843431	adventure-works\dragan0	0x85B180	3	Accounts Payable Specialist	1977-02-14	M	M	2009-02-11	0	63	51	1	51C54D34-064
5	247	519756660	adventure-works\janet0	0x85B280	3	Accounts Payable Specialist	1979-03-09	M	F	2009-03-01	0	64	52	1	0C641D77-867
6	242	363923697	adventure-works\deborah0	0x85AB	3	Accounts Receivable Specialist	1976-03-06	M	F	2008-12-18	0	60	50	1	09F75454-028
7	243	60517918	adventure-works\candy0	0x85AD	3	Accounts Receivable Specialist	1976-02-23	S	F	2009-01-06	0	61	50	1	9E9F713B-707
8	244	931190412	adventure-works\bryan1	0x85AF	3	Accounts Receivable Specialist	1984-09-20	S	M	2009-01-24	0	62	51	1	CB3E71EC-A3E
9	267	58317344	adventure-works\karen1	0x8DA0	2	Application Specialist	1978-05-19	S	F	2009-02-16	1	74	57	1	45C3D0F5-333
10	268	314747499	adventure-works\ramesh0	0x8DE0	2	Application Specialist	1988-03-13	S	M	2009-02-03	1	73	56	1	BE190269-400
11	269	671089628	adventure-works\dan0	0x8E10	2	Application Specialist	1987-05-26	M	M	2009-01-11	1	72	56	1	71B0D010-5AC
12	272	525932996	adventure-works\janaina0	0x8E70	2	Application Specialist	1985-01-30	M	F	2008-12-23	1	71	55	1	241535C7-7A3
13	262	231203233	adventure-works\david5	0x8610	2	Assistant to the Chief Financial Officer	1964-06-21	S	M	2009-01-12	0	56	48	1	BE81FD77-428
14	239	619308550	adventure-works\mindy0	0x857080	3	Benefits Specialist	1984-11-20	M	F	2008-12-25	0	51	45	1	834D7AB6-06E
15	251	603686790	adventure-works\mikael0	0x85EB58	4	Buyer	1984-08-17	S	M	2009-02-10	0	59	49	1	D0FD55FF-42E
16	252	792847334	adventure-works\arvind0	0x85EB68	4	Buyer	1974-08-21	M	M	2009-02-28	0	60	50	1	51DE26F0-6ED
17	253	407505660	adventure-works\linda2	0x85EB78	4	Buyer	1970-11-30	M	F	2009-12-17	0	56	48	1	ED06F9F4-212

SELECT e.*

FROM Person.Person AS e

ORDER BY LastName;

	BusinessEntityID	PersonType	NameStyle	Title	FirstName	MiddleName	LastName	Suffix	EmailPromotion	AdditionalContactInfo	Demographics	rowguid	Moc
1	285	SP	0	Mr.	Syed	E	Abbas	NULL	0	NULL	<IndividualSurvey xmlns="http://schemas.microso...	FF284881-01C2-4C77-95A7-4DB96F59BB70	201
2	293	SC	0	Ms.	Catherine	R.	Abel	NULL	1	<AdditionalContactInfo xmlns="http://schemas.mic...	<IndividualSurvey xmlns="http://schemas.microso...	D54E0552-C226-4C22-AF3B-762CA854CDD3	201
3	295	SC	0	Ms.	Kim	NULL	Abercrombie	NULL	0	<AdditionalContactInfo xmlns="http://schemas.mic...	<IndividualSurvey xmlns="http://schemas.microso...	F7CBDB48-0B44-470E-9F37-7060446FBFB9	201
4	2170	GC	0	NULL	Kim	NULL	Abercrombie	NULL	2	NULL	<IndividualSurvey xmlns="http://schemas.microso...	24F01B54-7A67-4B48-9ECC-72545D36C0AC	200
5	38	EM	0	NULL	Kim	B	Abercrombie	NULL	2	NULL	<IndividualSurvey xmlns="http://schemas.microso...	9A2163B3-2F4D-4F9A-91BD-07D326140F9C	201
6	211	EM	0	NULL	Hazem	E	Abolrous	NULL	0	NULL	<IndividualSurvey xmlns="http://schemas.microso...	C2637051-25A5-4461-B06A-523119259430	201
7	2357	GC	0	NULL	Sam	NULL	Abolrous	NULL	1	NULL	<IndividualSurvey xmlns="http://schemas.microso...	78B8F41E-ED14-4E96-9531-CE9630E79E10	200
8	297	SC	0	Sr.	Humberto	NULL	Acevedo	NULL	2	<AdditionalContactInfo xmlns="http://schemas.mic...	<IndividualSurvey xmlns="http://schemas.microso...	5A41D336-84CF-44D7-B12B-83B64B511F7E	201
9	291	SC	0	Mr.	Gustavo	NULL	Achong	NULL	2	<AdditionalContactInfo xmlns="http://schemas.mic...	<IndividualSurvey xmlns="http://schemas.microso...	D4C132D3-FCB5-4231-9DD5-888A54BEC693	201
10	299	SC	0	Sra.	Pilar	NULL	Ackerman	NULL	0	<AdditionalContactInfo xmlns="http://schemas.mic...	<IndividualSurvey xmlns="http://schemas.microso...	DF1FB8AB-2323-4330-9AB8-54E13CE6D8F9	201
11	121	EM	0	NULL	Pilar	G	Ackerman	NULL	0	NULL	<IndividualSurvey xmlns="http://schemas.microso...	81F50324-D0B5-4EA5-8B20-F99D46572C76	200
12	16867	IN	0	NULL	Aaron	B	Adams	NULL	2	NULL	<IndividualSurvey xmlns="http://schemas.microso...	846210F5-A3C8-465B-A6DE-5559C8A1ED20	201
13	16901	IN	0	NULL	Adam	NULL	Adams	NULL	1	NULL	<IndividualSurvey xmlns="http://schemas.microso...	16C926A9-BBAE-4C04-84E9-0759010EA6C3	201
14	16724	IN	0	NULL	Alex	C	Adams	NULL	0	NULL	<IndividualSurvey xmlns="http://schemas.microso...	AF999B4C-C0EE-42E0-92EA-D8B4F4192593	201
15	10263	IN	0	NULL	Alexandra	J	Adams	NULL	0	NULL	<IndividualSurvey xmlns="http://schemas.microso...	90A13D3C-DC8C-44CF-93E0-DA2241D544E3	201
16	10312	IN	0	NULL	Allison	L	Adams	NULL	2	NULL	<IndividualSurvey xmlns="http://schemas.microso...	3E1A7BC5-EB5A-4BD1-B52E-7C994C806E78	201
17	10274	IN	0	NULL	Amanda	P	Adams	NULL	1	NULL	<IndividualSurvey xmlns="http://schemas.microso...	9650B992-ED11-4221-9878-B95B6D6532CE	201

SELECT FirstName, LastName, BusinessEntityID as Employee_id

FROM Person.Person AS e

ORDER BY lastname ASC;

	FirstName	LastName	Employee_id
1	Syed	Abbas	285
2	Catherine	Abel	293
3	Kim	Abercrombie	295
4	Kim	Abercrombie	2170
5	Kim	Abercrombie	38
6	Hazem	Abolrous	211
7	Sam	Abolrous	2357
8	Humberto	Acevedo	297
9	Gustavo	Achong	291
10	Pilar	Ackerman	299
11	Pilar	Ackerman	121
12	Aaron	Adams	16867
13	Adam	Adams	16901
14	Alex	Adams	16724
15	Alexandra	Adams	10263
16	Allison	Adams	10312
17	Amanda	Adams	10274
18	Amber	Adams	10292

SELECT productid, productnumber, name

FROM Production.Product

WHERE SellStartDate IS NOT NULL AND ProductLine = 'T'

ORDER BY name ASC;

	productid	productnumber	name
1	890	FR-T98U-46	HL Touring Frame - Blue, 46
2	891	FR-T98U-50	HL Touring Frame - Blue, 50
3	892	FR-T98U-54	HL Touring Frame - Blue, 54
4	893	FR-T98U-60	HL Touring Frame - Blue, 60
5	887	FR-T98Y-46	HL Touring Frame - Yellow, 46
6	888	FR-T98Y-50	HL Touring Frame - Yellow, 50
7	889	FR-T98Y-54	HL Touring Frame - Yellow, 54
8	885	FR-T98Y-60	HL Touring Frame - Yellow, 60
9	947	HB-T928	HL Touring Handlebars
10	916	SE-T924	HL Touring Seat/Saddle
11	903	FR-T67U-44	LL Touring Frame - Blue, 44
12	895	FR-T67U-50	LL Touring Frame - Blue, 50
13	896	FR-T67U-54	LL Touring Frame - Blue, 54
14	897	FR-T67U-58	LL Touring Frame - Blue, 58
15	898	FR-T67U-62	LL Touring Frame - Blue, 62
16	899	FR-T67Y-44	LL Touring Frame - Yellow, 44
17	900	FR-T67Y-50	LL Touring Frame - Yellow, 50
18	901	FR-T67Y-54	LL Touring Frame - Yellow, 54

SELECT

```sql
    SalesOrderID,

    CustomerID,

    OrderDate,

    Subtotal,

    (TaxAmt / Subtotal) * 100 AS TaxPercentage
FROM

    Sales.SalesOrderHeader
ORDER BY

    Subtotal ASC;
```

	SalesOrderID	CustomerID	OrderDate	Subtotal	TaxPercentage
1	51782	30078	2013-06-30 00:00:00.000	1.374	7.99
2	51885	15640	2013-06-30 00:00:00.000	2.29	8.00
3	51886	18293	2013-06-30 00:00:00.000	2.29	8.00
4	52031	19088	2013-07-03 00:00:00.000	2.29	8.00
5	52371	11527	2013-07-10 00:00:00.000	2.29	8.00
6	52532	12370	2013-07-13 00:00:00.000	2.29	8.00
7	52682	11142	2013-07-16 00:00:00.000	2.29	8.00
8	52786	11637	2013-07-18 00:00:00.000	2.29	8.00
9	53015	19090	2013-07-23 00:00:00.000	2.29	8.00
10	53084	28094	2013-07-24 00:00:00.000	2.29	8.00
11	53088	11226	2013-07-24 00:00:00.000	2.29	8.00
12	53198	11321	2013-07-26 00:00:00.000	2.29	8.00
13	53248	19086	2013-07-27 00:00:00.000	2.29	8.00
14	53629	11218	2013-07-31 00:00:00.000	2.29	8.00
15	53674	18733	2013-08-01 00:00:00.000	2.29	8.00
16	53786	11196	2013-08-03 00:00:00.000	2.29	8.00
17	53787	11279	2013-08-03 00:00:00.000	2.29	8.00
18	53884	11521	2013-08-05 00:00:00.000	2.29	8.00

```sql
SELECT

    YEAR(OrderDate) AS OrderYear,

    SUM(TotalDue) AS TotalSales
FROM

    Sales.SalesOrderHeader
WHERE

    YEAR(OrderDate) <= 2016
GROUP BY
```

YEAR(OrderDate)

ORDER BY

    OrderYear ASC;

	OrderYear	TotalSales
1	2011	14155699.525
2	2012	37675700.312
3	2013	48965887.9632
4	2014	22419498.3157

SELECT

    SalesOrderID,

    ProductID,

    SUM(OrderQty) AS TotalOrderQty,

    AVG(OrderQty) AS AverageOrderQty,

    COUNT(OrderQty) AS OrderCount,

    MIN(OrderQty) AS MinOrderQty,

    MAX(OrderQty) AS MaxOrderQty

FROM

    Sales.SalesOrderDetail

WHERE

    SalesOrderID IN (43659, 43664)

GROUP BY

    SalesOrderID, ProductID;

	SalesOrderID	ProductID	TotalOrderQty	AverageOrderQty	OrderCount	MinOrderQty	MaxOrderQty
4	43659	714	3	3	1	3	3
5	43664	714	1	1	1	1	1
6	43659	716	1	1	1	1	1
7	43664	716	1	1	1	1	1
8	43659	771	1	1	1	1	1
9	43664	771	3	3	1	3	3
10	43659	772	1	1	1	1	1
11	43664	772	1	1	1	1	1
12	43659	773	2	2	1	2	2
13	43664	773	1	1	1	1	1
14	43659	774	1	1	1	1	1
15	43664	775	4	4	1	4	4
16	43659	776	1	1	1	1	1
17	43659	777	3	3	1	3	3
18	43664	777	2	2	1	2	2
19	43659	778	1	1	1	1	1
20	43664	778	1	1	1	1	1

```
SELECT

    BusinessEntityID,

    FirstName,

    LastName

FROM

    Person.Person

WHERE

    BusinessEntityID < 1500

    AND LastName LIKE 'Al%'

    AND FirstName LIKE 'M%';
```


	BusinessEntityID	FirstName	LastName
1	327	Milton	Albury
2	1149	Mary	Alexander
3	335	Michelle	Alexander
4	341	Marvin	Allen
5	343	Michael	Allen

```
SELECT

    Name AS Lower,
```

```
    Name AS Upper,

    Name AS LowerUpper

FROM

    Production.Product

WHERE

    ListPrice BETWEEN 1000.00 AND 1220.00;
```

	Lower	Upper	LowerUpper
1	Mountain-300 Black, 38	Mountain-300 Black, 38	Mountain-300 Black, 38
2	Mountain-300 Black, 40	Mountain-300 Black, 40	Mountain-300 Black, 40
3	Mountain-300 Black, 44	Mountain-300 Black, 44	Mountain-300 Black, 44
4	Mountain-300 Black, 48	Mountain-300 Black, 48	Mountain-300 Black, 48
5	Road-550-W Yellow, 38	Road-550-W Yellow, 38	Road-550-W Yellow, 38
6	Road-550-W Yellow, 40	Road-550-W Yellow, 40	Road-550-W Yellow, 40
7	Road-550-W Yellow, 42	Road-550-W Yellow, 42	Road-550-W Yellow, 42
8	Road-550-W Yellow, 44	Road-550-W Yellow, 44	Road-550-W Yellow, 44
9	Road-550-W Yellow, 48	Road-550-W Yellow, 48	Road-550-W Yellow, 48
10	HL Touring Frame - Yellow, 60	HL Touring Frame - Yellow, 60	HL Touring Frame - Yellow, 60
11	HL Touring Frame - Yellow, 46	HL Touring Frame - Yellow, 46	HL Touring Frame - Yellow, 46
12	HL Touring Frame - Yellow, 50	HL Touring Frame - Yellow, 50	HL Touring Frame - Yellow, 50
13	HL Touring Frame - Yellow, 54	HL Touring Frame - Yellow, 54	HL Touring Frame - Yellow, 54
14	HL Touring Frame - Blue, 46	HL Touring Frame - Blue, 46	HL Touring Frame - Blue, 46
15	HL Touring Frame - Blue, 50	HL Touring Frame - Blue, 50	HL Touring Frame - Blue, 50
16	HL Touring Frame - Blue, 54	HL Touring Frame - Blue, 54	HL Touring Frame - Blue, 54
17	HL Touring Frame - Blue, 60	HL Touring Frame - Blue, 60	HL Touring Frame - Blue, 60
18	Touring-2000 Blue, 60	Touring-2000 Blue, 60	Touring-2000 Blue, 60