# IS 456 IT Database Systems Management

## **Programming Exercise 3**

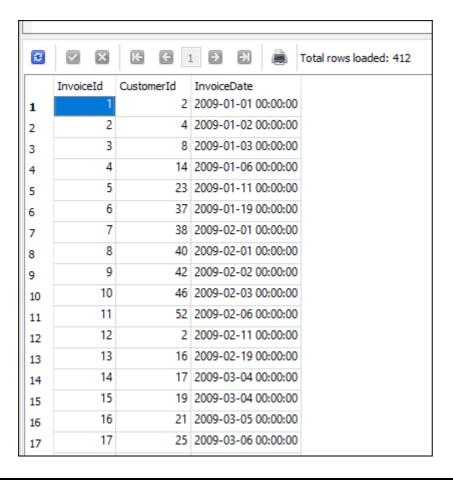
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- IS 456 IT Database Systems Management
  - Programming Exercise 3
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- Use the Chinook Database

#### Task 1

- Write a SELECT statement to return the Invoiceid, Customerid and Invoicedate columns from the invoices table
- Use the ORDER BY clause to sort invoicedate in ASC order.

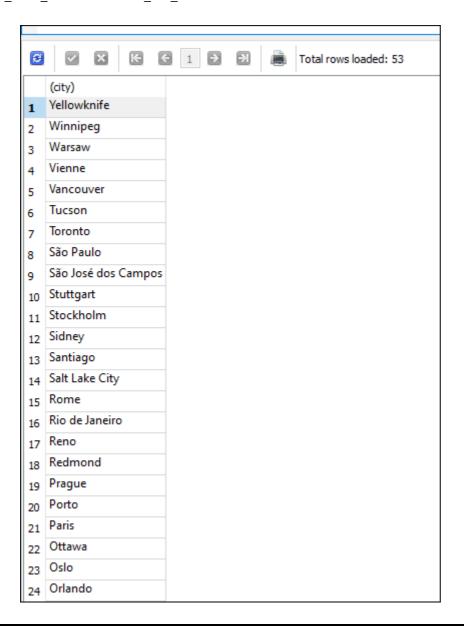
```
SELECT InvoiceId,
CustomerId,
InvoiceDate
FROM invoices
ORDER BY InvoiceDate ASC;
```



#### Task 2

• Write a SELECT statement that will remove the duplicate records from the city column from the customers table.

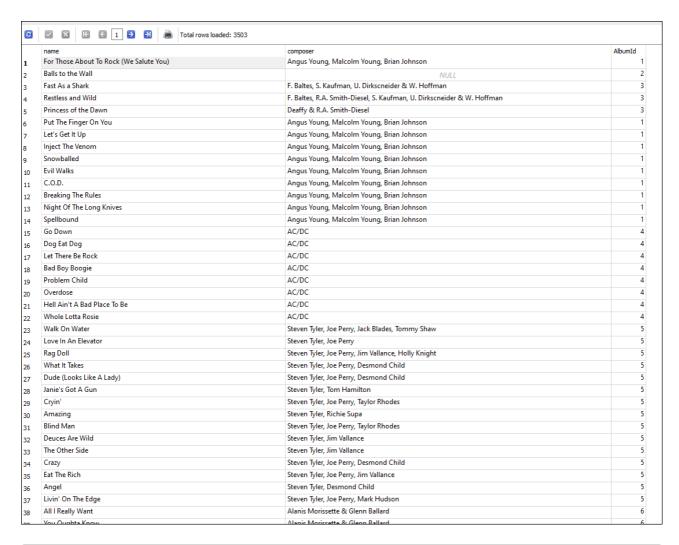
```
SELECT DISTINCT(city)
FROM customers
ORDER BY city DESC;
```



### Task 3

- Write a SELECT statement to return name, composer and albumid from tracks table
- Write a SELECT statement to return albums with id number higher than 5.
- Order the results by Order Value descending.

```
--Task 3-1
SELECT name, composer, AlbumId
FROM tracks;
```



```
-- Task 3-2
SELECT *
FROM albums
JOIN tracks
ON albums.AlbumId = tracks.AlbumId
WHERE tracks.AlbumId > 5
GROUP BY albums.AlbumId
ORDER BY albums.AlbumId DESC;
```

AlbumId				Name		MediaType GenreId		Milisecond: B		UnitPrice
	47 Koyaanisqatsi (Soundtrack from the Motion Picture)	275		Koyaanisqatsi	347		10 Philip Glass	206005	3305164	0.99
	46 Mozart: Chamber Music	274		Quintet for Horn, Violin, 2 Violas, and Cello in E Flat Major, K. 407/386c: III. Allegro	346		24 Wolfgang Amadeus Mozart	221331	3665114	0.99
	45 Monteverdi: L'Orfeo	273		L'orfeo, Act 3, Sinfonia (Orchestra)	345		24 Claudio Monteverdi	66639	1189062	0.99
	44 Schubert: The Late String Quartets & String Quintet (3 CD's)	272	3500	String Quartet No. 12 in C Minor, D. 703 "Quartettsatz": II. Andante - Allegro assai	344		24 Franz Schubert	139200	2283131	0.9
	43 Respight:Pines of Rome	226		Pini Di Roma (Pinien Von Rom) \ I Pini Della Via Appia	343		NULL NULL	286741	4718950	0.9
	42 Locatelli: Concertos for Violin, Strings and Continuo, Vol. 3	271	3498	Concerto for Violin, Strings and Continuo in G Major, Op. 3, No. 9: I. Allegro	342		24 Pietro Antonio Locatelli	493573	16454937	0.99
34	41 Great Recordings of the Century - Shubert: Schwanengesang, 4 Lieder	270	3497	Erlkonig, D.328	341		NULL NULL	261849	4307907	0.9
34	40 Liszt - 12 Études D'Execution Transcendante	269	3496	Étude 1, In C Major - Preludio (Presto) - Liszt	340		NULL	51780	2229617	0.99
33	39 Great Recordings of the Century: Paganini's 24 Caprices	268	3495	24 Caprices, Op. 1, No. 24, for Solo Violin, in A Minor	339	2 2	24 Niccolò Paganini	265541	4371533	0.99
33	38 Nielsen: The Six Symphonies	267	3494	Symphony No. 2, Op. 16 - "The Four Temperaments": II. Allegro Comodo e Flemmatico	338	2 1	24 Carl Nielsen	286998	4834785	0.99
33	37 Szymanowski: Piano Works, Vol. 1	266	3493	Metopes, Op. 29: Calypso	337	2 1	24 Karol Szymanowski	333669	5548755	0.9
33	36 Prokofiev: Symphony No.5 & Stravinksy: Le Sacre Du Printemps	248	3491	Le Sacre Du Printemps: Liv. Spring Rounds	336		24 Igor Stravinsky	234746	4072205	0.9
33	35 J.S. Bach: Chaconne, Suite in E Minor, Partita in E Major & Prelude, Fugue and Allegro	265	3490	Partita in E Major, BWV 1006A: I. Prelude	335	2 1	24 Johann Sebastian Bach	285673	4744929	0.9
33	34 Weill: The Seven Deadly Sins	264	3489	Symphony No. 2: III. Allegro vivace	334	2 1	24 Kurt Weill	376510	6129146	0.9
33	33 Purcell: Music for the Queen Mary	263	3488	Music for the Funeral of Queen Mary: VI. "Thou Knowest, Lord, the Secrets of Our Hearts"	333		24 Henry Purcell	142081	2365930	0.99
33	32 The Ultimate Relexation Album	262	3487	3 Gymnopédies: No.1 - Lent Et Grave, No.3 - Lent Et Douloureux	332	2 1	24 Erik Satie	385506	6458501	0.99
33	31 Purcell: The Fairy Queen	261	3486	Act IV, Symphony	331	2 1	24 Henry Purcell	364296	5987695	0.99
33	30 Górecki: Symphony No. 3	260	3485	Symphony No. 3 Op. 36 for Orchestra and Soprano "Symfonia Piesni Zalosnych" \ Lento E Largo - Tranqu	330	2 1	24 Henryk Górecki	567494	9273123	0.99
32	29 South American Getaway	259	3484	Adios nonino	329	2	24 Astor Piazzolla	289388	4781384	0.99
33	28 Charpentier: Divertissements, Airs & Concerts	258	3483	Concert pour 4 Parties de V**les, H. 545: I. Prelude	328	2	24 Marc-Antoine Charpentier	110266	1973559	0.99
3	27 Bach: Orchestral Suites Nos. 1 - 4	257	3482	Suite No. 3 in D, BWV 1068: III. Gavotte I & II	327	2 2	24 Johann Sebastian Bach	225933	3847164	0.99
3	26 Mendelssohn: A Midsummer Night's Dream	256	3481	A Midsummer Night's Dream, Op.61 Incidental Music: No.7 Notturno	326	2	24 NULL	387826	6497867	0.99
3	25 Bartol: Violin & Viola Concertos	255	3480	Sonata for Solo Violin: IV: Presto	325	4 :	24 Béla Bartók	299350	9785346	0.99
3	24 Beethoven: Symphony No. 6 'Pastoral' Etc.	254	3479	Prometheus Overture, Op. 43	324	4 :	24 Ludwig van Beethoven	339567	10887931	0.9
37	23 Carried to Dust (Bonus Track Version)	253	3478	Slowness	323	2 2	23 NULL	215386	3644793	0.9
3	22 Frank	252	3467	Intro / Stronger Than Me	322	2	9 NULL	234200	3832165	0.9
7 3	21 Back to Black	252	3455	Rehab	321	2	14 NULL	213240	3416878	0.9
3 3	20 Mozart: Symphonies Nos. 40 & 41	248	3454	Symphony No. 41 in C Major, K. 551, "Jupiter": IV. Molto allegro	320	2 2	24 Wolfgang Amadeus Mozart	362933	6173269	0.99
31	19 Armada: Music from the Courts of England and Spain	251	3453	Pavan, Lachrimae Antiquae	319	2 2	24 John Dowland	253281	4211495	0.99
	18 SCRIABIN: Vers la flamme	250	3452	SCRIABIN: Prelude in B Major. Op. 11. No. 11	318	4 .	24 NULL	101293	3819535	0.9
31	17 Mozart Gala: Famous Arias	249	3451	Die Zauberflöte, K.620: "Der Hölle Rache Kocht in Meinem Herze"	317	2 1	25 Wolfgang Amadeus Mozart	174813	2861468	0.99
	16 Grieg: Peer Gynt Suites & Sibelius: Pelléas et Mélisande	248	3450	Peer Gynt Suite No.1, Op.46: 1. Morning Mood	316	2 1	24 Edvard Grieg	253422	4298769	0.99
31	15 Handel: Music for the Royal Fireworks (Original Version 1749)	208	3449	Music for the Royal Fireworks, HWV351 (1749): La Réjouissance	315	2 1	24 George Frideric Handel	120000	2193734	0.9
	14 English Renaissance	247		Lamentations of Jeremiah, First Set \ Incipit Lamentatio	314	2 1	24 Thomas Tallis	69194	1208080	0.99
3.	13 Bizet: Carmen Highlights	246		Carmen: Overture	313	2 1	24 Georges Bizet	132932	2189002	0.99
	12 Berlioz: Symphonie Fantastique	245	3446	Symphonie Fantastique, Op. 14: V. Songe d'une nuit du sabbat	312	2 1	24 Hector Berlioz	561967	9173344	0.99
	11 Strauss: Waltzes	226		On the Beautiful Blue Danube	311		24 Johann Strauss II	526696	8610225	0.9
	10 Prokofiev: Romeo & Juliet	245		Romeo et Juliette: No. 11 - Danse des Chevaliers	310		24 NULL	275015	4519239	0.9
	19 Palestrina: Missa Panae Marcelli & Allenri: Miserere	244	2442	Missa Panae Marcelli: Kirrie	309		24 Giovanni Piedujni da Palestrina	240666	4244149	0.96