


```

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dvdrntal=#
dvdrntal=#
dvdrntal=#
dvdrntal=# SELECT payment_date FROM payment LIMIT 5;
payment_date
-----
2007-02-15 22:25:46.996577
2007-02-16 17:23:14.996577
2007-02-16 22:41:45.996577
2007-02-19 19:39:56.996577
2007-02-20 17:31:48.996577
(5 rows)

dvdrntal=#
dvdrntal=# SELECT AGE(payment_date) FROM payment LIMIT 5;
age
-----
13 years 2 mons 13 days 01:34:13.003423
13 years 2 mons 12 days 06:36:45.003423
13 years 2 mons 12 days 01:18:14.003423
13 years 2 mons 9 days 04:20:03.003423
13 years 2 mons 8 days 06:28:11.003423
(5 rows)

dvdrntal=#
dvdrntal=# SELECT TO_CHAR(payment_date, 'MONTH') FROM payment LIMIT 5;
to_char
-----
FEBRUARY
FEBRUARY
FEBRUARY
FEBRUARY
FEBRUARY
(5 rows)

dvdrntal=#
dvdrntal=# SELECT TO_CHAR(payment_date, 'MONTH-YYYY') FROM payment LIMIT 5;
to_char
-----
FEBRUARY -2007
FEBRUARY -2007
FEBRUARY -2007
FEBRUARY -2007
FEBRUARY -2007
(5 rows)

dvdrntal=# SELECT TO_CHAR(payment_date, 'MONTH YYYY') FROM payment LIMIT 5;
to_char
-----
FEBRUARY 2007
FEBRUARY 2007
FEBRUARY 2007
FEBRUARY 2007
FEBRUARY 2007
(5 rows)

dvdrntal=# SELECT TO_CHAR(payment_date, 'mon/dd/YYYY') FROM payment LIMIT 5;
to_char
-----
feb/15/2007
feb/16/2007
feb/16/2007
feb/19/2007
feb/28/2007
(5 rows)

dvdrntal=#
dvdrntal=# SELECT TO_CHAR(payment_date, 'MM/dd/YYYY') FROM payment LIMIT 5;
to_char
-----
02/15/2007
02/16/2007
02/16/2007
02/19/2007
02/28/2007
(5 rows)

dvdrntal=#
dvdrntal=# SELECT TO_CHAR(payment_date, 'MM-dd-YYYY') FROM payment LIMIT 5;
to_char
-----
02-15-2007
02-16-2007
02-16-2007
02-19-2007
02-28-2007
(5 rows)

dvdrntal=#
dvdrntal=# SELECT TO_CHAR(payment_date, 'dd-MM-YYYY') FROM payment LIMIT 5;
to_char
-----
15-02-2007
16-02-2007
16-02-2007
19-02-2007
28-02-2007
(5 rows)

dvdrntal=# SELECT TO_CHAR(payment_date, 'dd/MM/YYYY') FROM payment LIMIT 5;
to_char
-----
15/02/2007
16/02/2007
16/02/2007
19/02/2007
28/02/2007
(5 rows)

dvdrntal=#
dvdrntal=# SELECT COUNT(*) FROM payment WHERE EXTRACT (dow FROM payment_date) = 1
dvdrntal=# ;
count
-----
2948
(1 row)

dvdrntal=# SELECT COUNT(*) FROM payment WHERE EXTRACT (dow FROM payment_date) = 1;
count
-----
2948
(1 row)

dvdrntal=#
dvdrntal=# SELECT rental_rate/replacement_cost FROM film;
?column?
-----
0.33288859239492995330
0.24962481248628310155
0.31287004377736805853
0.38414164742109314858
0.04716531681753215817
0.38414164742109314858
0.15745119815271195366
0.11078177182630683927
0.13085654632448898622
0.1662034463590083243
0.17212832811838289065
0.13597089586175534334
0.19967987194877951180
0.0052698703549146557
0.04386220095693779904
0.04952476238119895938
0.22692132787630741246
0.04126719466444351813
0.27286551410373066424
0.12463526469362234264
0.06404482935298193462
0.03536977491961414791
0.04716531681753215817
0.2608833347228016715
0.2773763281778450911

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0.27206551410373066424
0.09909909090909090910
0.14957478739369084842
0.18699186991869918699
0.06191369606003752345
0.07621247113163972286
0.29370217775161859918
0.24937447873277689741
0.1068238656630939621
0.29370217775161859918
0.4118015011510425354
0.18699186991869918699
0.03301100366788929643
0.11964785914365746299
0.07621247113163972286
0.10313901345291479821
0.03809157368218545594
0.09909109262966333030
0.04306228095693779984
0.05583057254030016676
0.27206551410373066424
0.1721282011038289065
0.18699186991869918699
0.22692132787630741246
0.3328889239492995330
0.35640334524640471766
0.2080033472280116715
0.19967987194877951100
0.1300564532448090022
0.14244878513577894235
0.29370217775161859918
0.27206551410373066424
0.03301100366788929643
0.11504424778761061947
0.06191369606003752345
0.1068238656630939621
0.18699186991869918699
0.15745129015271195366
0.17598887404395583237
0.14244878513577894235
0.21705089169204001740
0.1721282011038289065
0.12463526469362234264
0.04502046384720327422
0.03660025194516487588
0.23773225345402572654
dvdrntal=# SELECT rental_rate/replacement_cost FROM film LIMIT 5;
?column?
-----
0.33208059239492995330
0.24962481240620310155
0.31207004377736085053
0.38414164742189314858
0.04716531681753215817
(5 rows)

dvdrntal=#
dvdrntal=#
dvdrntal=# SELECT ROUND(rental_rate/replacement_cost, 2) FROM film LIMIT 5;
round
-----
0.33
0.25
0.31
0.38
0.05
(5 rows)

dvdrntal=#
dvdrntal=# SELECT ROUND(rental_rate/replacement_cost, 2)*100 FROM film LIMIT 5;
?column?
-----
33.00
25.00
31.00
38.00
5.00
(5 rows)

dvdrntal=# SELECT ROUND(rental_rate/replacement_cost, 4) * 100 FROM film LIMIT 5;
?column?
-----
33.2900
24.9600
31.2100
38.4100
4.7200
(5 rows)

dvdrntal=#
dvdrntal=# SELECT LENGTH(first_name) FROM customer LIMIT 5;
length
-----
5
4
8
5
7
(5 rows)

dvdrntal=#
dvdrntal=#
dvdrntal=# SELECT first_name || ' ' || last_name FROM customer LIMIT 5;
?column?
-----
Jared Ely
Mary Smith
Patricia Johnson
Linda Williams
Barbara Jones
(5 rows)

dvdrntal=# SELECT upper(first_name) || ' ' || upper(last_name) FROM customer LIMIT 5;
?column?
-----
JARED ELY
MARY SMITH
PATRICIA JOHNSON
LINDA WILLIAMS
BARBARA JONES
(5 rows)

dvdrntal=#
dvdrntal=# SELECT LOWER(LEFT(first_name, 1)) || LOWER(last_name) || '@gmail.com' FROM customer LIMIT 5;
?column?
-----
jely@gmail.com
msmith@gmail.com
pjohnson@gmail.com
lwilliams@gmail.com
bjones@gmail.com
(5 rows)

dvdrntal=#
dvdrntal=#
dvdrntal=# SELECT student, grade FROM test_score LIMIT 5;
ERROR:  relation "test_score" does not exist
LINE 1: SELECT student, grade FROM test_score LIMIT 5;

dvdrntal=#
dvdrntal=# SELECT AVG(rental_rate) FROM film;
avg
-----
2.9000000000000000
(1 row)

dvdrntal=#
dvdrntal=#
dvdrntal=# SELECT title, rental_rate FROM film WHERE rental_rate > SELECT AVG(rental_rate) FROM film;
ERROR:  syntax error at or near "SELECT"
LINE 1: ...title, rental_rate FROM film WHERE rental_rate > SELECT AVG...
^

dvdrntal=#
dvdrntal=# SELECT title, rental_rate FROM film WHERE rental_rate > (SELECT AVG(rental_rate) FROM film);
title | rental_rate
-----|-----
Chamber Italian | 4.99
Grosse Wonderful | 4.99
Airport Pollock | 4.99
Bright Encounters | 4.99
Ace Goldfinger | 4.99
Adaptation Holes | 2.99
Affair Prejudice | 2.99
African Egg | 2.99
Agent Truman | 2.99
Airplane Sierra | 4.99
Alabama Devil | 2.99
Aladdin Calendar | 4.99
Ali Forever | 4.99
Alien Center | 2.99
Alley Evolution | 2.99

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Amelie Hellfighters		4.99
American Circus		4.99
Amistad Midsummer		2.99
Analyze Hoosiers		2.99
Angels Life		2.99
Anthem Luke		4.99
Antitrust Tomatoes		2.99
Anything Savannah		2.99
Apache Divine		4.99
Apocalypse Flamingos		4.99
Apollo Teen		2.99
Arachnophobia Rollercoaster		2.99
Arizona Bang		2.99
Artist Coldblooded		2.99
Dying Maker		4.99
Atlantis Cause		2.99
Attacks Hate		4.99
Attraction Newton		4.99
Autumn Crow		4.99
Baby Hall		4.99
Backlash Undeclared		4.99
Sadman Dawn		2.99
Baked Cleopatra		2.99
Casualties Encino		4.99
Ballroom Homeward		2.99
Bang Kwei		2.99
Barbarella Streetcar		2.99
Barefoot Manchurian		2.99
Basic Easy		2.99
Beach Heartbreakers		2.99
Bear Graceland		2.99
Beast Hunchback		4.99
Beauty Grease		4.99
Bed Highball		2.99
Behavior Runaway		4.99
Berets Agent		2.99
Betrayed Rear		4.99
Beverly Outlaw		2.99
Bikini Borrowers		4.99
Bilko Anonymous		2.99
Bill Others		2.99
Bingo Talented		2.99
Birch Antitrust		4.99
Bird Independence		4.99
Birds Perdition		4.99
Blackout Private		2.99
Blanket Beverly		2.99
Blindness Gun		4.99
Blues Instinct		2.99
Boiled Dares		4.99
Boogie Amelie		4.99
Born Spinal		4.99
Bowfinger Gables		4.99
Brannigan Sunrise		4.99
Braveheart Human		2.99
Breakfast Goldfinger		4.99
dvdrental=#		
dvdrental=#	SELECT inventory.film_id FROM rental INNER JOIN inventory ON inventory.inventory_id = rental.inventory_id WHERE return_date BETWEEN '2005-05-29' AND '2005-05-30';	
film_id		

15		
19		
45		
50		
52		
54		
68		
73		
83		
89		
103		
120		
130		
138		
139		
164		
179		
200		
226		
227		
228		
233		
234		
241		
247		
248		
255		
257		
267		
288		
293		
295		
299		
300		
307		
347		
348		
349		
388		
393		
397		
418		
471		
471		
480		
484		
487		
505		
dvdrental=#		
dvdrental=#	SELECT film_id, title FROM film WHERE film_id IN (SELECT inventory.film_id FROM rental INNER JOIN inventory ON inventory.inventory_id = rental.inventory_id WHERE return_date BETWEEN '2005-05-29' AND '2005-05-30');	
film_id	title	

307	Fellowship Autumn	
255	Driving Polish	
388	Gunfight Moon	
138	Celebrity Morn	
563	Massacre Usual	
397	Hanky October	
898	Tourist Pelican	
226	Detective Vision	
347	Games Bowfinger	
1000	Zorro Ark	
624	Nightmare Chill	
179	Conquerer Nuts	
54	Banger Pinocchio	
684	Pizza Jumanji	
267	Eagles Panky	
68	Betrayed Rear	
868	Superfly Trip	
138	Chariots Conspiracy	
418	Hobbit Alien	
681	Pirates Roxanne	
52	Ballroom Mockingbird	
83	Blues Instinct	
858	Submarine Bed	
45	Attraction Newton	
958	Wardrobe Phantom	
783	Shane Darkness	
295	Expendable Stallion	
694	Prejudice Oleander	
484	Jerk Paycheck	
963	Watch Tracy	
233	Disciple Mother	
299	Factory Dragon	
471	Island Exorcist	
89	Borrowers Bedazzled	
241	Donnie Alley	
393	Halloween Nuts	

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776 | Secret Groundhog
971 | Whale Bikini
348 | Gandhi Kwai
967 | Weekend Personal
878 | Swarm Gold
58 | Baked Cleopatra
941 | Videotape Arsenic
388 | Falcon Volume
953 | Wait Cider
487 | Jingle Sagebrush
227 | Details Packer
838 | Stagecoach Armageddon
288 | Curtain Videotape
73 | Bingo Talented
638 | Notting Speakeasy
585 | Labyrinth League
183 | Bucket Brotherhood
715 | Range Moonwalker
982 | Trading Pinocchio
875 | Talented Homicide
772 | Sea Virgin
527 | Lola Agent
257 | Drumline Cyclone
488 | Jeepers Wedding
247 | Downhill Enough
651 | Packer Madigan
128 | Caribbean Liberty
973 | Wife Turn
757 | Sagebrush Clueless
15 | Alien Center
139 | Chasing Fight
226 | Destiny Saturday
349 | Gangs Pride
164 | Coast Rainbow
914 | Trouble Date
dvdrental=#
dvdrental=#
dvdrental=#
dvdrental=# SELECT film_id, title FROM film WHERE film_id IN (SELECT inventory.film_id FROM rental INNER JOIN inventory ON inventory.inventory_id = rental.inventory_id WHERE return_date BETWEEN '2005-05-29' AND '2005-05-30') ORDER BY fil
m_id;
film_id | title
-----
15 | Alien Center
19 | Amadeus Holy
45 | Attraction Newton
58 | Baked Cleopatra
52 | Ballroom Mockingbird
54 | Banger Pinocchio
68 | Betrayed Rear
73 | Bingo Talented
83 | Blues Instinct
89 | Borrowers Bedazzled
183 | Bucket Brotherhood
128 | Caribbean Liberty
138 | Celebrity Horn
138 | Chariots Conspiracy
139 | Chasing Fight
164 | Coast Rainbow
179 | Conquerer Nuts
288 | Curtain Videotape
226 | Destiny Saturday
227 | Details Packer
228 | Detective Vision
233 | Disciple Mother
234 | Disturbing Scarface
241 | Donnie Alley
247 | Downhill Enough
248 | Dozen Lion
255 | Driving Polish
257 | Drumline Cyclone
267 | Eagles Panky
288 | Escape Metropolis
293 | Exorcist Sting
295 | Expendable Stallion
299 | Factory Dragon
388 | Falcon Volume
387 | Fellowship Autumn
347 | Games Bowfinger
348 | Gandhi Kwai
349 | Gangs Pride
388 | Gunfight Moon
393 | Halloween Nuts
397 | Hanky October
418 | Hobbit Alien
471 | Island Exorcist
488 | Jeepers Wedding
484 | Jerk Paycheck
487 | Jingle Sagebrush
585 | Labyrinth League
586 | Lady Stage
517 | Lesson Cleopatra
527 | Lola Agent
563 | Massacre Usual
573 | Microcosmos Paradise
621 | Network Peak
624 | Nightmare Chill
638 | Notting Speakeasy
651 | Packer Madigan
681 | Pirates Roxanne
684 | Pizza Jumanji
694 | Prejudice Oleander
715 | Range Moonwalker
757 | Sagebrush Clueless
772 | Sea Virgin
776 | Secret Groundhog
783 | Shane Darkness
838 | Stagecoach Armageddon
858 | Submarine Bed
865 | Sunrise League
868 | Superfly Trip
878 | Swarm Gold
875 | Talented Homicide
898 | Tourist Pelican
982 | Trading Pinocchio
914 | Trouble Date
941 | Videotape Arsenic
dvdrental=#
dvdrental=#
dvdrental=#
dvdrental=# exit
Serhiis-MacBook-Pro:~ serhiis$

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