

SQL Worksheet

```
1 SELECT lastname, state
2 FROM customers
3 WHERE state = 'FL';
```

LASTNAME	STATE
MORALES	FL
SMITH	FL
NGUYEN	FL
SCHELL	FL

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4 rows selected.

SQL Worksheet

```
1 SELECT *
2 FROM customers
3 WHERE customer# = 1010;
```

CUSTOMER#	LASTNAME	FIRSTNAME	ADDRESS	CITY	STATE	ZIP	REFERRED	REGION	EMAIL
1010	LUCAS	JAKE	114 EAST SAVANNAH	ATLANTA	GA	30314	-	SE	-

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SQL Worksheet

```
1 SELECT *
2 FROM books
3 WHERE isbn = 1915762492;
```

ISBN	TITLE	PUBDATE	PUBID	COST	RETAIL	DISCOUNT	CATEGORY
1915762492	HANDCRANKED COMPUTERS	21-JAN-05	3	21.8	25	-	COMPUTER

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SQL Worksheet

```
1 SELECT *
2 FROM books
3 WHERE pubdate = '21-JAN-05';
```

ISBN	TITLE	PUBDATE	PUBID	COST	RETAIL	DISCOUNT	CATEGORY
1059831198	BODYBUILD IN 10 MINUTES A DAY	21-JAN-05	4	18.75	30.95	-	FITNESS
1915762492	HANDCRANKED COMPUTERS	21-JAN-05	3	21.8	25	-	COMPUTER

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SQL Worksheet

```
1 SELECT title, retail
2 FROM books
3 WHERE retail > 55;
```

TITLE	RETAIL
BUILDING A CAR WITH TOOTHPICKS	59.95
DATABASE IMPLEMENTATION	55.95
HOLY GRAIL OF ORACLE	75.95
PAINLESS CHILD-REARING	89.95

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SQL Worksheet

```
1 SELECT title
2 FROM books
3 WHERE title > 'HO';
```

TITLE
REVENGE OF MICKEY
HOLY GRAIL OF ORACLE
PAINLESS CHILD-REARING
THE WOK WAY TO COOK
HOW TO GET FASTER PIZZA
HOW TO MANAGE THE MANAGER
SHORTEST POEMS

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SQL Worksheet

```
1 SELECT title, retail-cost profit
2 FROM books
3 WHERE retail-cost < cost*.2;
```

TITLE	PROFIT
HANDCRANKED COMPUTERS	3.2

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SQL Worksheet

```
1 SELECT firstname, lastname, state
2 FROM customers
3 WHERE state<= 'GA';
```

FIRSTNAME	LASTNAME	STATE
BONITA	MORALES	FL
RYAN	THOMPSON	CA
LEILA	SMITH	FL
JORGE	PEREZ	CA
JAKE	LUCAS	GA
NICHOLAS	NGUYEN	FL
STEVE	SCHELL	FL
MICHELL	DAUM	CA
GREG	MONTIASA	GA

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9 rows selected.

SQL Worksheet

```
1 SELECT firstname, lastname, state
2 FROM customers
3 WHERE state>= 'GA';
```

FIRSTNAME	LASTNAME	STATE
THOMAS	PIERSON	ID
CINDY	GIRARD	WA
MESHIA	CRUZ	NY
TAMMY	GIANA	TX
KENNETH	JONES	WY
JAKE	LUCAS	GA
REESE	MCGOVERN	IL
WILLIAM	MCKENZIE	MA
JASMINE	LEE	WY
BECCA	NELSON	MI
GREG	MONTIASA	GA
JENNIFER	SMITH	NJ
KENNETH	FALAH	NJ

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13 rows selected.

SQL Worksheet

```
1 SELECT firstname, lastname, state
2 FROM customers
3 WHERE state <> 'GA';
```

FIRSTNAME	LASTNAME	STATE
BONITA	MORALES	FL
RYAN	THOMPSON	CA
LEILA	SMITH	FL
THOMAS	PIERSON	ID
CINDY	GIRARD	WA
MESHIA	CRUZ	NY
TAMMY	GIANA	TX
KENNETH	JONES	WY
JORGE	PEREZ	CA
REESE	MCGOVERN	IL
WILLIAM	MCKENZIE	MA
NICHOLAS	NGUYEN	FL
JASMINE	LEE	WY
STEVE	SHELL	FL
MICHELL	DAUM	CA
BECCA	NELSON	MI
JENNIFER	SMITH	ND

SQL Worksheet

```
1 SELECT order#, orderdate
2 FROM orders
3 WHERE orderdate < '01-APR-09';
```

ORDER#	ORDERDATE
1000	31-MAR-09
1001	31-MAR-09
1002	31-MAR-09

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3 rows selected.

SQL Worksheet

```
1 SELECT title, pubid
2 FROM books
3 WHERE pubid BETWEEN 1 and 3;
```

TITLE	PUBID
REVENGE OF MICKEY	1
BUILDING A CAR WITH TOOTHPICKS	2
DATABASE IMPLEMENTATION	3
HOLY GRAIL OF ORACLE	3
HANDCRANKED COMPUTERS	3
E-BUSINESS THE EASY WAY	2
HOW TO MANAGE THE MANAGER	1

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SQL Worksheet

```
1 SELECT title
2 FROM books
3 WHERE title BETWEEN 'A' AND 'D';|
```

TITLE
BODYBUILD IN 10 MINUTES A DAY
BUILDING A CAR WITH TOOTHPICKS
COOKING WITH MUSHROOMS
BIG BEAR AND LITTLE DOVE

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SQL Worksheet

```
1 SELECT title, pubid
2 FROM books
3 WHERE pubid IN (1,2,5);
```

TITLE	PUBID
REVENGE OF MICKEY	1
BUILDING A CAR WITH TOOTHPICKS	2
E-BUSINESS THE EASY WAY	2
PAINLESS CHILD-REARING	5
BIG BEAR AND LITTLE DOVE	5
HOW TO MANAGE THE MANAGER	1
SHORTEST POEMS	5

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SQL Worksheet

```
1 SELECT firstname, lastname, state
2 FROM customers
3 WHERE state IN ('CA', 'TX');
```

FIRSTNAME	LASTNAME	STATE
RYAN	THOMPSON	CA
TAMMY	GIANA	TX
JORGE	PEREZ	CA
MICHELL	DAUM	CA

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4 rows selected.

SQL Worksheet

```
1 SELECT lastname
2 FROM customers
3 WHERE lastname LIKE 'P%';
```

LASTNAME

PIERSON

PEREZ

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2 rows selected.

```

1 SELECT customer#, lastname, firstname
2 FROM customers
3 WHERE customer# LIKE '10_9';

```

CUSTOMER#	LASTNAME	FIRSTNAME
1009	PEREZ	JORGE
1019	SMITH	JENNIFER

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2 rows selected.

SQL worksheet

```

1 SELECT isbn, title
2 FROM books
3 WHERE isbn LIKE '_4%0';

```

ISBN	TITLE
3437212490	COOKING WITH MUSHROOMS
2491748320	PAINLESS CHILD-REARING

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2 rows selected.

SQL Worksheet

```

1 SELECT *
2 FROM testing
3 WHERE tvalue LIKE '\\%__A%T' ESCAPE '\\';

```

ID	TVALUE	DESCRIP
1	%ccAcCT	Value starts with special character

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SQL Worksheet

1	SELECT title, pubid, category
2	FROM books
3	WHERE pubid = 3 AND category = 'COMPUTER';

TITLE	PUBID	CATEGORY
DATABASE IMPLEMENTATION	3	COMPUTER
HOLY GRAIL OF ORACLE	3	COMPUTER
HANDCRANKED COMPUTERS	3	COMPUTER

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3 rows selected.

SQL Worksheet

1	SELECT *
2	FROM books
3	WHERE category = 'FAMILY LIFE'
4	OR pubid=4
5	AND cost > 15;

ISBN	TITLE	PUBDATE	PUBID	COST	RETAIL	DISCOUNT	CATEGORY
1059831198	BODYBUILD IN 10 MINUTES A DAY	21-JAN-05	4	18.75	30.95	-	FITNESS
0401140733	REVENGE OF MICKEY	14-DEC-05	1	14.2	22	-	FAMILY LIFE
2491748320	PAINLESS CHILD-REARING	17-JUL-04	5	48	89.95	4.5	FAMILY LIFE
0299282519	THE WOK WAY TO COOK	11-SEP-04	4	19	28.75	-	COOKING
0132149871	HOW TO GET FASTER PIZZA	11-NOV-06	4	17.85	29.95	1.5	SELF HELP

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5 rows selected.

SQL Worksheet

1	SELECT *
2	FROM books
3	WHERE (category = 'FAMILY LIFE'
4	OR pubid=4)
5	AND cost > 15;

ISBN	TITLE	PUBDATE	PUBID	COST	RETAIL	DISCOUNT	CATEGORY
1059831198	BODYBUILD IN 10 MINUTES A DAY	21-JAN-05	4	18.75	30.95	-	FITNESS
2491748320	PAINLESS CHILD-REARING	17-JUL-04	5	48	89.95	4.5	FAMILY LIFE
0299282519	THE WOK WAY TO COOK	11-SEP-04	4	19	28.75	-	COOKING
0132149871	HOW TO GET FASTER PIZZA	11-NOV-06	4	17.85	29.95	1.5	SELF HELP

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4 rows selected.

SQL Worksheet

```
1 SELECT order#, shipdate
2 FROM orders
3 WHERE shipdate IS NULL;
```

ORDER#	SHIPDATE
1012	-
1015	-
1016	-
1018	-
1019	-
1020	-

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6 rows selected.

SQL Worksheet

```
1 SELECT order#, shipdate
2 FROM orders
3 WHERE shipdate IS NOT NULL;
```

ORDER#	SHIPDATE
1000	02-APR-09
1001	01-APR-09
1002	01-APR-09
1003	01-APR-09
1004	05-APR-09
1005	02-APR-09
1006	02-APR-09
1007	04-APR-09
1008	03-APR-09
1009	05-APR-09
1010	04-APR-09
1011	05-APR-09
1013	04-APR-09
1014	05-APR-09
1017	05-APR-09

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15 rows selected.

```

1 SELECT *
2 FROM publisher
3 ORDER BY name;

```

PUBID	NAME	CONTACT	PHONE
3	AMERICAN PUBLISHING	DAVID DAVIDSON	800-555-1211
1	PRINTING IS US	TOMMIE SEYMOUR	000-714-8321
2	PUBLISH OUR WAY	JANE TOMLIN	010-410-0010
4	READING MATERIALS INC.	RENEE SMITH	800-555-9743
5	REED-N-RITE	SEBASTIAN JONES	800-555-8284

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5 rows selected.

SQL Worksheet

```

1 SELECT *
2 FROM testing
3 ORDER BY tvalue;

```

ID	TVALUE	DESCRIP
7	ccAcCT	Value starts with a blank character
1	%ccAcCT	Value starts with special character
4	1ccAcCT	Value starts with a number
5	BccAcCT	Value starts with an uppercase B
6	CccAcCT	Value starts with an uppercase C
3	bccAcCT	Value starts with a lowercase b
2	-	Value is NULL

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SQL Worksheet

```
1 SELECT *
2 FROM publisher
3 ORDER BY name DESC;
```

PUBID	NAME	CONTACT	PHONE
5	REED-N-RITE	SEBASTIAN JONES	800-555-8284
4	READING MATERIALS INC.	RENEE SMITH	800-555-9743
2	PUBLISH OUR WAY	JANE TOMLIN	010-410-0010
1	PRINTING IS US	TOMMIE SEYMOUR	000-714-8321
3	AMERICAN PUBLISHING	DAVID DAVIDSON	800-555-1211

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5 rows selected.

SQL worksheet

```
1 SELECT pubid, name "Publisher Name", phone
2 FROM publisher
3 ORDER BY "Publisher Name";
```

PUBID	Publisher Name	PHONE
3	AMERICAN PUBLISHING	800-555-1211
1	PRINTING IS US	000-714-8321
2	PUBLISH OUR WAY	010-410-0010
4	READING MATERIALS INC.	800-555-9743
5	REED-N-RITE	800-555-8284

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5 rows selected.

SQL Worksheet

```
1 SELECT lastname, firstname, state, referred
2 FROM customers
3 WHERE state = 'CA'
4 ORDER BY referred;
```

LASTNAME	FIRSTNAME	STATE	REFERRED
PEREZ	JORGE	CA	1003
DAUM	MICHELL	CA	1010
THOMPSON	RYAN	CA	-

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3 rows selected.

SQL Worksheet

```
1 SELECT lastname, firstname, state, referred
2 FROM customers
3 WHERE state = 'CA'
4 ORDER BY referred NULLS FIRST;
```

LASTNAME	FIRSTNAME	STATE	REFERRED
THOMPSON	RYAN	CA	-
PEREZ	JORGE	CA	1003
DAUM	MICHELL	CA	1010

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3 rows selected.

SQL worksheet

```
1 SELECT lastname, firstname, state, city
2 FROM customers
3 ORDER BY state DESC, city;
```

LASTNAME	FIRSTNAME	STATE	CITY
JONES	KENNETH	WY	CHEYENNE
LEE	JASMINE	WY	CODY
GIRARD	CINDY	WA	SEATTLE
GIANA	TAMMY	TX	AUSTIN
CRUZ	MESHIA	NY	ALBANY
SMITH	JENNIFER	NJ	MORRISTOWN
FALAH	KENNETH	NJ	TRENTON
NELSON	BECCA	MI	KALMAZOO
MCKENZIE	WILLIAM	MA	BOSTON
MCGOVERN	REESE	IL	CHICAGO
PIERSON	THOMAS	ID	BOISE
LUCAS	JAKE	GA	ATLANTA
MONTIASA	GREG	GA	MACON
NGUYEN	NICHOLAS	FL	CLERMONT
MORALES	BONITA	FL	EASTPOINT
SCHELL	STEVE	FL	MIAMI
SMITH	LEILA	FL	TALLAHASSEE
DAUM	MICHELL	CA	BURBANK
PEREZ	JORGE	CA	BURBANK
THOMPSON	RYAN	CA	SANTA MONICA

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20 rows selected.

```

1 SELECT lastname, firstname, state, city
2 FROM customers
3 WHERE state IN('FL', 'CA')
4 ORDER BY state DESC, city;

```

LASTNAME	FIRSTNAME	STATE	CITY
NGUYEN	NICHOLAS	FL	CLERMONT
MORALES	BONITA	FL	EASTPOINT
SCHELL	STEVE	FL	MIAMI
SMITH	LEILA	FL	TALLAHASSEE
DAUM	MICHELL	CA	BURBANK
PEREZ	JORGE	CA	BURBANK
THOMPSON	RYAN	CA	SANTA MONICA

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7 rows selected.

SQL Worksheet

```

1 SELECT lastname, firstname, state, city
2 FROM customers
3 WHERE state IN('FL', 'CA')
4 ORDER BY 3 DESC,4;

```

LASTNAME	FIRSTNAME	STATE	CITY
NGUYEN	NICHOLAS	FL	CLERMONT
MORALES	BONITA	FL	EASTPOINT
SCHELL	STEVE	FL	MIAMI
SMITH	LEILA	FL	TALLAHASSEE
DAUM	MICHELL	CA	BURBANK
PEREZ	JORGE	CA	BURBANK
THOMPSON	RYAN	CA	SANTA MONICA

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