# Sub Query Revision

1. Write a statement with a subquery to find the names of authors who live in the city where Algodata Infosystems is located.

SELECT au\_fname”Authors First Name”, au\_lname”Author’s Last name”,

From Authors

Where city = (SELECT city FROM publishers WHERE pub\_name = ‘Algodata Infosystems’);

1. Find the names of books that are priced higher than the current minimum price.

SELECT title”Titles”, price”Price”

FROM titles

WHERE price > (SELECT min(price) from titles);

1. Finds the books that are priced higher than the lowest priced book in the *trad\_cook* category:

SELECT title”Titles”,price”Price”

FROM titles

WHERE price > (SELECT min(price) from titles WHERE type1 = ‘*trad\_cook’);*

1. Which books command an advance greater than the largest advance paid by New Age Books?"
2. Find the books that are priced higher than the highest-priced book in the *mod\_cook* category:

SELECT title”Titles”,price”Price”

FROM titles

WHERE price > (SELECT max(price) from titles WHERE type1 = ‘*mod\_cook);*

1. Find the names of all second authors who live in California and receive less than 30 percent of the royalties on a book.

SELECT aa.au\_fname”Author First name”,aa.au\_lname”Author Last name”,ta.au\_ord”Author Order”,aa.state”State”

FROM Authors aa,Title Author ta

WHERE aa.au\_id = ta.au\_id AND ta.au\_id = 2 AND aa.state = ‘CA’ AND ta.title\_id = (SELECT title\_id FROM ROYSCHED WHERE royalty < 30);\*\*\*\*\*\*\*\*\*\*

1. Using a join and not using a subquery, list the publishers who publish psychology books.

SELECT p.pub\_name”Publisher Name”, t.type1

FROM titles t, publishers p

WHERE p.pub\_id = t.pub\_id AND type1 = ‘psychology’;

1. Re-write the answer to Q7 above using a subquery. Note any differences in the resultset returned.

SELECT pub\_id”Publisher ID”

FROM publishers

WHERE pub\_id = (SELECT pub\_id from titles WHERE type1 = ‘psychology’); \*\*\*\*\*\*\*

1. Without using a subquery, list all first authors who have sold more than 1000 books.

SELECT aa.au\_fname”Author First name”,aa.au\_lname”Author Last name”

FROM authors aa, title author ta, titles t

WHERE aa.au\_id = ta.au\_id AND ta.title\_id = t.title\_id AND t.total\_sales > 1000;

1. Try and write the answer to Q9 above using a subquery?

SELECT au\_id”Authors ID”

FROM title author

WHERE title\_id = (SELECT title\_id FROM titles WHERE total\_sales > 1000);

1. Without using a subquery, list the authors whose books are selling for $12.00?

SELECT aa.au\_fname”Author First name”,aa.au\_lname”Author Last name”, t.price”Price”

FROM authors aa, title author ta, titles t

WHERE aa.au\_id = ta.au\_id AND ta.title\_id = t.title\_id AND t.price = 12;

1. Try and rewrite the answer to Q11 above using a subquery?

SELECT au\_id”Author ID”

FROM title author

WHERE title\_ID = (SELECT title\_ID from titles where price = 2);

1. List the titles that have a quantity ordered which is greater than the maximum ordered by Bookbeat.

SELECT t.title”Titles”

FROM titles t, salesdetails sa

WHERE t.title\_id = sa.title\_id AND pub\_ID = (SELECT pub\_id FROM publishers WHERE pub\_name = ‘Bookbeat’);

1. Find the types of books that are published by more than one publisher.

SELECT \*\*\*\*\*\*