Question

Virat Sharma . Jan 24, 2023

## SQL Query needs optimization

Hi All,

I am having an SQL query (mentioned below). When I am running this query it is taking 90 min to retrieve all records (approx 1 million records).

Fetching data from 5 tables using inner join in cache. Relative cost displaying 10 million

I wan to confirm How this query can be optimized

```
Select
```

```
Books.nam,Books.print,Books.Relativename,Books.Firstpage,Books.Lastpage,Books.trn,Books.lastissue,Books.firstissue,Books.person,Books.author,Books.price,Books.cd,Books.ab,Books.pf,Books.ju,Books.er,Books.qw,Books.qt,Books.mn

Records.qw,Records.er,Records.ty,Records.ui,Records.op,Records.as

OrderBooks.mn,OrderBooks.bv

OrderRecords.sd,OrderRecords.fg,OrderRecords.hj

Orders.lastdate

From SQLUser.Books Books

INNER JOIN SQLUser.Records Records ON Books.id=Recordsid

INNER JOIN SQLUser.OrderedBooks OrderBooks ON Books.id=OrderBooks.id

INNER JOIN SQLUser.OrderedRecords OrderRecords ON Books.id=OrderRecords

INNER JOIN SQLUser.OrderedRecords OrderRecords ON Books.id=OrderRecords

INNER JOIN SQLUser.Orders Orders ON Books.id=Orders.id

where ((Records.qw=OrderBooks.qw)) and (Records.er is null))
```

Thanks in advance!!

**#SQL** #InterSystems IRIS

Source URL:https://community.intersystems.com/post/sql-query-needs-optimization