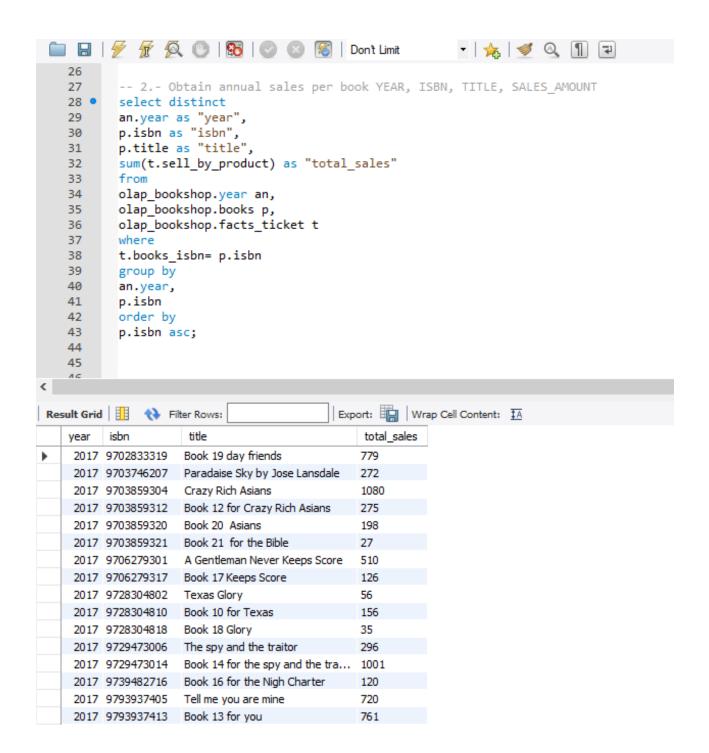
```
ar operations overal malay spaces by book with space opening south and its assets in a second or a second or a
    2 •
           select distinct
           s.subregion_name as "subregion",
    3
           d.day as "day",
    4
    5
          d.num_day as "num_day",
          p.isbn as "ISBN",
p.title as "title",
    6
    7
    8
          sum(t.sell_by_product) as "total_sales"
    9
   10
          olap_bookshop.subregion s,
   11
          olap_bookshop.day d,
   12
          olap_bookshop.books p,
   13
          olap_bookshop.facts_ticket t,
   14
           olap_bookshop.warehouse
   15
          where
   16
           t.warehouse_code = warehouse.code and
   17
           warehouse.subregion_id = s.subregion_id and
           t.day_id = d.day_id and
   18
   19
          t.books_isbn = p.isbn
   20
           group by
   21
           s.subregion_name,
   22
          d.day,
   23
          d.num_day,
   24
          p.isbn
   25
          order by num_day asc;
   26
5
```

Result Grid Filter Rows: Export: Wrap Cell Content: 🖽						
	subregion	day	num_day	ISBN	title	total_sales
•	east africa	wednesday	1	9706279317	Book 17 Keeps Score	84
	central asia	saturday	1	9703746207	Paradaise Sky by Jose Lansdale	16
	eastern europe	wednesday	1	9729473006	The spy and the traitor	74
	southeast asia	wednesday	3	9706279301	A Gentleman Never Keeps Score	180
	southern africa	saturday	4	9702833319	Book 19 day friends	287
	central asia	tuesday	5	9793937413	Book 13 for you	14
	central africa	wednesday	5	9728304810	Book 10 for Texas	72
	south of europe	saturday	5	9706279301	A Gentleman Never Keeps Score	30
	western europe	sunday	5	9706279301	A Gentleman Never Keeps Score	90
	australia	friday	6	9793937405	Tell me you are mine	270
	south of europe	saturday	7	9706279301	A Gentleman Never Keeps Score	210
	northern of asia	monday	7	9793937413	Book 13 for you	581
	caribe	tuesday	7	9793937405	Tell me you are mine	225
	eastern asia	thursday	7	9703746207	Paradaise Sky by Jose Lansdale	112
	western europe	tuesday	9	9729473014	Book 14 for the spy and the tra	637
	south america	fridav	10	9739482716	Book 16 for the Nigh Charter	15



```
<u>Ø</u> ♥ | ® | ♥ ⊗
                                                            - | 🏡 | 🥩 🔍
                                       8
                                            Don't Limit
   47
         -- 3.- Obtain which region had the most transactions during Oc
   48 • □ with ventas_month as (
   49
                              select
   50
                              r.region_name,
                              count(f.ticket number) as count
   51
   52
                               from
                               olap bookshop.region r,
   53
   54
                               olap bookshop.facts ticket f,
   55
                               olap_bookshop.day d,
                               olap_bookshop.month m,
   56
                               olap_bookshop.warehouse t,
   57
                               olap bookshop.subregion s
   58
                               where
   59
                               m.month = 'october' and
   60
   61
                               f.day id = d.day id and
                               d.month id=m.month id and
   62
   63
                               f.warehouse_code = t.code and
                               t.subregion_id = s.subregion_id and
   64
   65
                               s.region_id = r.region_id
   66
                               group by r.region_name)
   67
          select region_name, max(count)
   68
          ventas month
   69
          group by region_name;
   70
   71
   72
   73
                                      Export: Wrap Cell Content: IA
Result Grid
             Filter Rows:
               max(count)
   region_name
  oceania
```

```
| 🀓 🙀 👰 🕛 | 🚱 | ⊘ 🔞 | 🗑 | Don't Limit
                                                                 - | 🏡 | 🥩
74
   75
           -- 4.- Obtain the average of the sale per ticket (invoice) p
   76 •
           select
   77
           r.region_name,
   78
           m.month,
           avg(f.sell_by_product)
   79
   80
           from
           olap bookshop.region r,
   81
   82
           olap bookshop.facts ticket f,
   83
           olap_bookshop.day d,
   84
           olap bookshop.month m,
   85
           olap bookshop.warehouse t,
           olap_bookshop.subregion s
   86
           where
   87
           f.day_id = d.day_id and
   88
   89
           d.month_id=m.month_id and
   90
           f.warehouse code= t.code and
   91
           t.subregion_id = s.subregion_id and
   92
           s.region_id = r.region_id
   93
           group by
   94
           r.region name,
   95
           m.month
           order by
   96
   97
           r.region_name;
   98
                                             Export: Wrap Cell Content: IA
Result Grid
               Filter Rows:
   region_name
                month
                          avg(f.sell_by_product)
  africa
               april
  africa
               august
                          840
  africa
               december
                          96
  africa
               february
                          254.5
  africa
               july
                          246
  africa
               march
                          42
  africa
               november
               august
                          224
  america
               march
                          130
  america
               november
                          15
  america
  asia
               april
                          16
               august
                          581
  asia
  asia
               december
                          63
               february
                          41.5
  asia
  asia
               june
                          56
  asia
                          173
               may
  asia
                          84
               november
```

Query 5

```
101
            -- 5.- Get which books are bought together more frequently by OLAP (SQL)
  102
  103 • ☐ with prod1 as (
  104
            select
  105
            f.ticket number,
  106
            p.title
  107
  108
            olap bookshop.books p,
            olap bookshop.facts ticket f
  109
  110
            where
            p.isbn = f.books_isbn
  111
           group by f.ticket_number, p.title
  112
  113
            select prod1.title, pr.title
  114
            from olap bookshop.books pr, olap bookshop.facts ticket t, prod1
  115
            where t.ticket_number = prod1.ticket_number
  116
  117
                                             Export: Wrap Cell Content: TA Fetch rows:
Result Grid | Filter Rows:
   title
                                  title
  Book 13 for you
                                 Rainy day friends
  Texas Glory
                                 Rainy day friends
   A Gentleman Never Keeps Score
                                 Rainy day friends
  Book 19 day friends
                                 Rainy day friends
  Book 13 for you
                                 Book 11 for Rainy day
                                 Book 11 for Rainy day
  Texas Glory
                                 Book 11 for Rainy day
   A Gentleman Never Keeps Score
  Book 19 day friends
                                 Book 11 for Rainy day
  Book 13 for you
                                 Book 19 day friends
  Texas Glory
                                 Book 19 day friends
                                 Book 19 day friends
  A Gentleman Never Keeps Score
  Book 19 day friends
                                 Book 19 day friends
  Book 13 for you
                                 Paradaise Sky by Jos...
  Texas Glory
                                 Paradaise Sky by Jos...
   A Gentleman Never Keeps Score
                                 Paradaise Sky by Jos...
  Book 19 day friends
                                 Paradaise Sky by Jos...
  Book 13 for you
                                 Crazy Rich Asians
  Texas Glory
                                 Crazy Rich Asians
  A Gentleman Never Keeps Score
                                 Crazy Rich Asians
  Book 19 day friends
                                 Crazy Rich Asians
  Book 13 for you
                                 Book 12 for Crazy Ric...
```

Tables

