Columnar Exercise

Solution

Creation of tables in columnar database

```
CREATE TABLE REGION(
    region_id INTEGER,
    region_desc VARCHAR(100));


CREATE TABLE SUBREGION(
  subregion_id INTEGER,
    subregion_desc VARCHAR(100),
    region_id INTEGER);


CREATE TABLE WAREHOUSE(
  code INTEGER,
    subregion_id INTEGER,
    region_id INTEGER);


CREATE TABLE BOOKS(
  isbn INTEGER,
  title VARCHAR(45),
  price NUMERIC(15,2));


CREATE TABLE YEAR_T(
  year_id TINYINT,
  year_f TINYINT );
```

```
CREATE TABLE MONTH_T(

  month_id TINYINT,

  month_f TINYINT,

  year_id );


CREATE TABLE DAY_T(

 Num_day TINYINT,

 day_id TINYINT,

 month_id TINYINT );


CREATE TABLE FACTS_TICKET(

  Sell_by_product TINYINT,

  Ticket_number INTEGER,

  Books_isbn INTEGER,

  Warehouse_code INTEGER,

  Day_id TINYINT );
```

You can use the insert code from past exercise and modify as correspond:

INSERT INTO region(region_id, region_name) VALUES (1,'america');

INSERT INTO region(region_id, region_name) VALUES (2,'europa');

INSERT INTO region(region_id, region_name) VALUES (3,'asia');

INSERT INTO region(region_id, region_name) VALUES (4,'africa');

INSERT INTO region(region_id, region_name) VALUES (5,'oceania');

-- inserts subregion

INSERT INTO subregion(subregion_id, region_id, subregion_name) VALUES (1,1,'north america');

INSERT INTO subregion(subregion_id, region_id, subregion_name) VALUES (2,1,'central america');

```
INSERT INTO subregion(subregion_id, region_id, subregion_name)
VALUES (3,1,'caribe');

INSERT INTO subregion(subregion_id, region_id, subregion_name)
VALUES (4,1,'south america');


INSERT INTO subregion(subregion_id, region_id, subregion_name)
VALUES (5,2,'north of europe');

INSERT INTO subregion(subregion_id, region_id, subregion_name)
VALUES (6,2,'south of europe');

INSERT INTO subregion(subregion_id, region_id, subregion_name)
VALUES (7,2,'western europe');

INSERT INTO subregion(subregion_id, region_id, subregion_name)
VALUES (8,2,'eastern europe');


INSERT INTO subregion(subregion_id, region_id, subregion_name)
VALUES (9,3,'northern of asia');

INSERT INTO subregion(subregion_id, region_id, subregion_name)
VALUES (10,3,'southern asia');

INSERT INTO subregion(subregion_id, region_id, subregion_name)
VALUES (11,3,'eastern asia');

INSERT INTO subregion(subregion_id, region_id, subregion_name)
VALUES (12,3,'central asia');

INSERT INTO subregion(subregion_id, region_id, subregion_name)
VALUES (13,3,'southeast asia');

INSERT INTO subregion(subregion_id, region_id, subregion_name)
VALUES (14,4,'north africa');

INSERT INTO subregion(subregion_id, region_id, subregion_name)
VALUES (15,4,'southern africa');

INSERT INTO subregion(subregion_id, region_id, subregion_name)
VALUES (16,4,'west africa');

INSERT INTO subregion(subregion_id, region_id, subregion_name)
VALUES (17,4,'east africa');

INSERT INTO subregion(subregion_id, region_id, subregion_name)
VALUES (18,4,'central africa');

INSERT INTO subregion(subregion_id, region_id, subregion_name)
VALUES (19,5,'australia');
```

```
INSERT INTO subregion(subregion_id, region_id, subregion_name)
VALUES (20,5,'melanesia');

INSERT INTO subregion(subregion_id, region_id, subregion_name)
VALUES (21,5,'micronesia');

INSERT INTO subregion(subregion_id, region_id, subregion_name)
VALUES (22,5,'polynesia');

INSERT INTO year (year_id, year) VALUES (1,'2017');

commit;

INSERT INTO  month (month_id, year_id, month) VALUES
(1,1,'january');

INSERT INTO  month (month_id, year_id, month) VALUES
(2,1,'february');

INSERT INTO  month (month_id, year_id, month) VALUES
(3,1,'march');

INSERT INTO  month (month_id, year_id, month) VALUES
(4,1,'april');

INSERT INTO  month (month_id, year_id, month) VALUES (5,1,'may');

INSERT INTO  month (month_id, year_id, month) VALUES (6,1,'june');

INSERT INTO  month (month_id, year_id, month) VALUES (7,1,'july');

INSERT INTO  month (month_id, year_id, month) VALUES
(8,1,'august');

INSERT INTO  month (month_id, year_id, month) VALUES
(9,1,'september');

INSERT INTO  month (month_id, year_id, month) VALUES
(10,1,'october');

INSERT INTO  month (month_id, year_id, month) VALUES
(11,1,'november');

INSERT INTO  month (month_id, year_id, month) VALUES
(12,1,'december');

commit;

INSERT INTO day (day_id, month_id, day, num_day) VALUES
(1,1,'sunday',1);

INSERT INTO day (day_id, month_id, day, num_day) VALUES
(2,1,'monday',2);
```

```
INSERT INTO day (day_id, month_id, day, num_day) VALUES
(3,1,'tuesday',3);

INSERT INTO day (day_id, month_id, day, num_day) VALUES
(4,1,'wednesday',4);

INSERT INTO day (day_id, month_id, day, num_day) VALUES
(5,1,'thursday',5);

INSERT INTO day (day_id, month_id, day, num_day) VALUES
(6,1,'friday',6);

INSERT INTO day (day_id, month_id, day, num_day) VALUES
(7,1,'saturday',7);

INSERT INTO day (day_id, month_id, day, num_day) VALUES
(8,1,'sunday',8);

INSERT INTO day (day_id, month_id, day, num_day) VALUES
(9,1,'monday',9);

INSERT INTO day (day_id, month_id, day, num_day) VALUES
(10,1,'tuesday',10);

INSERT INTO day (day_id, month_id, day, num_day) VALUES
(11,1,'wednesday',11);

INSERT INTO day (day_id, month_id, day, num_day) VALUES
(12,1,'thursday',12);

INSERT INTO day (day_id, month_id, day, num_day) VALUES
(13,1,'friday',13);

INSERT INTO day (day_id, month_id, day, num_day) VALUES
(14,1,'saturday',14);

INSERT INTO day (day_id, month_id, day, num_day) VALUES
(15,1,'sunday',15);

INSERT INTO day (day_id, month_id, day, num_day) VALUES
(16,1,'monday',16);

INSERT INTO day (day_id, month_id, day, num_day) VALUES
(17,1,'tuesday',17);

INSERT INTO day (day_id, month_id, day, num_day) VALUES
(18,1,'wednesday',18);

INSERT INTO day (day_id, month_id, day, num_day) VALUES
(19,1,'thursday',19);

INSERT INTO day (day_id, month_id, day, num_day) VALUES
(20,1,'friday',20);
```

```
INSERT INTO day (day_id, month_id, day, num_day) VALUES
(21,1,'saturday',21);

INSERT INTO day (day_id, month_id, day, num_day) VALUES
(22,1,'sunday',22);

INSERT INTO day (day_id, month_id, day, num_day) VALUES
(23,1,'monday',23);

INSERT INTO day (day_id, month_id, day, num_day) VALUES
(24,1,'tuesday',24);

INSERT INTO day (day_id, month_id, day, num_day) VALUES
(25,1,'wednesday',25);

INSERT INTO day (day_id, month_id, day, num_day) VALUES
(26,1,'thursday',26);

INSERT INTO day (day_id, month_id, day, num_day) VALUES
(27,1,'friday',27);

INSERT INTO day (day_id, month_id, day, num_day) VALUES
(28,1,'saturday',28);

INSERT INTO day (day_id, month_id, day, num_day) VALUES
(29,1,'sunday',29);

INSERT INTO day (day_id, month_id, day, num_day) VALUES
(30,1,'monday',30);

INSERT INTO day (day_id, month_id, day, num_day) VALUES
(31,1,'tuesday',31);

INSERT INTO day (day_id, month_id, day, num_day) VALUES
(32,2,'wednesday',1);

INSERT INTO day (day_id, month_id, day, num_day) VALUES
(33,2,'thursday',2);

INSERT INTO day (day_id, month_id, day, num_day) VALUES
(34,2,'friday',3);

INSERT INTO day (day_id, month_id, day, num_day) VALUES
(35,2,'saturday',4);

INSERT INTO day (day_id, month_id, day, num_day) VALUES
(36,2,'sunday',5);

INSERT INTO day (day_id, month_id, day, num_day) VALUES
(37,2,'monday',6);

INSERT INTO day (day_id, month_id, day, num_day) VALUES
(38,2,'tuesday',7);
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```
INSERT INTO day (day_id, month_id, day, num_day) VALUES
(39,2,'wednesday',8);

INSERT INTO day (day_id, month_id, day, num_day) VALUES
(40,2,'thursday',9);

INSERT INTO day (day_id, month_id, day, num_day) VALUES
(41,2,'friday',10);

INSERT INTO day (day_id, month_id, day, num_day) VALUES
(42,2,'saturday',11);

INSERT INTO day (day_id, month_id, day, num_day) VALUES
(43,2,'sunday',12);

INSERT INTO day (day_id, month_id, day, num_day) VALUES
(44,2,'monday',13);

INSERT INTO day (day_id, month_id, day, num_day) VALUES
(45,2,'tuesday',14);

INSERT INTO day (day_id, month_id, day, num_day) VALUES
(46,2,'wednesday',15);

INSERT INTO day (day_id, month_id, day, num_day) VALUES
(47,2,'thursday',16);

INSERT INTO day (day_id, month_id, day, num_day) VALUES
(48,2,'friday',17);

INSERT INTO day (day_id, month_id, day, num_day) VALUES
(49,2,'saturday',18);

INSERT INTO day (day_id, month_id, day, num_day) VALUES
(50,2,'sunday',19);

INSERT INTO day (day_id, month_id, day, num_day) VALUES
(51,2,'monday',20);

INSERT INTO day (day_id, month_id, day, num_day) VALUES
(52,2,'tuesday',21);

INSERT INTO day (day_id, month_id, day, num_day) VALUES
(53,2,'wednesday',22);

INSERT INTO day (day_id, month_id, day, num_day) VALUES
(54,2,'thursday',23);

INSERT INTO day (day_id, month_id, day, num_day) VALUES
(55,2,'friday',24);

INSERT INTO day (day_id, month_id, day, num_day) VALUES
(56,2,'saturday',25);
```

```
INSERT INTO day (day_id, month_id, day, num_day) VALUES
(57,2,'sunday',26);

INSERT INTO day (day_id, month_id, day, num_day) VALUES
(58,2,'monday',27);

INSERT INTO day (day_id, month_id, day, num_day) VALUES
(59,2,'tuesday',28);

INSERT INTO day (day_id, month_id, day, num_day) VALUES
(60,3,'wednesday',1);

INSERT INTO day (day_id, month_id, day, num_day) VALUES
(61,3,'thursday',2);

INSERT INTO day (day_id, month_id, day, num_day) VALUES
(62,3,'friday',3);

INSERT INTO day (day_id, month_id, day, num_day) VALUES
(63,3,'saturday',4);

INSERT INTO day (day_id, month_id, day, num_day) VALUES
(64,3,'sunday',5);

INSERT INTO day (day_id, month_id, day, num_day) VALUES
(65,3,'monday',6);

INSERT INTO day (day_id, month_id, day, num_day) VALUES
(66,3,'tuesday',7);

INSERT INTO day (day_id, month_id, day, num_day) VALUES
(67,3,'wednesday',8);

INSERT INTO day (day_id, month_id, day, num_day) VALUES
(68,3,'thursday',9);

INSERT INTO day (day_id, month_id, day, num_day) VALUES
(69,3,'friday',10);

INSERT INTO day (day_id, month_id, day, num_day) VALUES
(70,3,'saturday',11);

INSERT INTO day (day_id, month_id, day, num_day) VALUES
(71,3,'sunday',12);

INSERT INTO day (day_id, month_id, day, num_day) VALUES
(72,3,'monday',13);

INSERT INTO day (day_id, month_id, day, num_day) VALUES
(73,3,'tuesday',14);

INSERT INTO day (day_id, month_id, day, num_day) VALUES
(74,3,'wednesday',15);
```

```
INSERT INTO day (day_id, month_id, day, num_day) VALUES
(75,3,'thursday',16);

INSERT INTO day (day_id, month_id, day, num_day) VALUES
(76,3,'friday',17);

INSERT INTO day (day_id, month_id, day, num_day) VALUES
(77,3,'saturday',18);

INSERT INTO day (day_id, month_id, day, num_day) VALUES
(78,3,'sunday',19);

INSERT INTO day (day_id, month_id, day, num_day) VALUES
(79,3,'monday',20);

INSERT INTO day (day_id, month_id, day, num_day) VALUES
(80,3,'tuesday',21);

INSERT INTO day (day_id, month_id, day, num_day) VALUES
(81,3,'wednesday',22);

INSERT INTO day (day_id, month_id, day, num_day) VALUES
(82,3,'thursday',23);

INSERT INTO day (day_id, month_id, day, num_day) VALUES
(83,3,'friday',24);

INSERT INTO day (day_id, month_id, day, num_day) VALUES
(84,3,'saturday',25);

INSERT INTO day (day_id, month_id, day, num_day) VALUES
(85,3,'sunday',26);

INSERT INTO day (day_id, month_id, day, num_day) VALUES
(86,3,'monday',27);

INSERT INTO day (day_id, month_id, day, num_day) VALUES
(87,3,'tuesday',28);

INSERT INTO day (day_id, month_id, day, num_day) VALUES
(88,3,'wednesday',29);

INSERT INTO day (day_id, month_id, day, num_day) VALUES
(89,3,'thursday',30);

INSERT INTO day (day_id, month_id, day, num_day) VALUES
(90,3,'friday',31);

INSERT INTO day (day_id, month_id, day, num_day) VALUES
(91,4,'saturday',1);

INSERT INTO day (day_id, month_id, day, num_day) VALUES
(92,4,'sunday',2);
```

```
INSERT INTO day (day_id, month_id, day, num_day) VALUES
(93,4,'monday',3);

INSERT INTO day (day_id, month_id, day, num_day) VALUES
(94,4,'tuesday',4);

INSERT INTO day (day_id, month_id, day, num_day) VALUES
(95,4,'wednesday',5);

INSERT INTO day (day_id, month_id, day, num_day) VALUES
(96,4,'thursday',6);

INSERT INTO day (day_id, month_id, day, num_day) VALUES
(97,4,'friday',7);

INSERT INTO day (day_id, month_id, day, num_day) VALUES
(98,4,'saturday',8);

INSERT INTO day (day_id, month_id, day, num_day) VALUES
(99,4,'sunday',9);

INSERT INTO day (day_id, month_id, day, num_day) VALUES
(100,4,'monday',10);

INSERT INTO day (day_id, month_id, day, num_day) VALUES
(101,4,'tuesday',11);

INSERT INTO day (day_id, month_id, day, num_day) VALUES
(102,4,'wednesday',12);

INSERT INTO day (day_id, month_id, day, num_day) VALUES
(103,4,'thursday',13);

INSERT INTO day (day_id, month_id, day, num_day) VALUES
(104,4,'friday',14);

INSERT INTO day (day_id, month_id, day, num_day) VALUES
(105,4,'saturday',15);

INSERT INTO day (day_id, month_id, day, num_day) VALUES
(106,4,'sunday',16);

INSERT INTO day (day_id, month_id, day, num_day) VALUES
(107,4,'monday',17);

INSERT INTO day (day_id, month_id, day, num_day) VALUES
(108,4,'tuesday',18);

INSERT INTO day (day_id, month_id, day, num_day) VALUES
(109,4,'wednesday',19);

INSERT INTO day (day_id, month_id, day, num_day) VALUES
(110,4,'thursday',20);
```

```
INSERT INTO day (day_id, month_id, day, num_day) VALUES
(111,4,'friday',21);

INSERT INTO day (day_id, month_id, day, num_day) VALUES
(112,4,'saturday',22);

INSERT INTO day (day_id, month_id, day, num_day) VALUES
(113,4,'sunday',23);

INSERT INTO day (day_id, month_id, day, num_day) VALUES
(114,4,'monday',24);

INSERT INTO day (day_id, month_id, day, num_day) VALUES
(115,4,'tuesday',25);

INSERT INTO day (day_id, month_id, day, num_day) VALUES
(116,4,'wednesday',26);

INSERT INTO day (day_id, month_id, day, num_day) VALUES
(117,4,'thursday',27);

INSERT INTO day (day_id, month_id, day, num_day) VALUES
(118,4,'friday',28);

INSERT INTO day (day_id, month_id, day, num_day) VALUES
(119,4,'saturday',29);

INSERT INTO day (day_id, month_id, day, num_day) VALUES
(120,4,'sunday',30);

INSERT INTO day (day_id, month_id, day, num_day) VALUES
(121,5,'monday',1);

INSERT INTO day (day_id, month_id, day, num_day) VALUES
(122,5,'tuesday',2);

INSERT INTO day (day_id, month_id, day, num_day) VALUES
(123,5,'wednesday',3);

INSERT INTO day (day_id, month_id, day, num_day) VALUES
(124,5,'thursday',4);

INSERT INTO day (day_id, month_id, day, num_day) VALUES
(125,5,'friday',5);

INSERT INTO day (day_id, month_id, day, num_day) VALUES
(126,5,'saturday',6);

INSERT INTO day (day_id, month_id, day, num_day) VALUES
(127,5,'sunday',7);

INSERT INTO day (day_id, month_id, day, num_day) VALUES
(128,5,'monday',8);
```

```
INSERT INTO day (day_id, month_id, day, num_day) VALUES
(129,5,'tuesday',9);

INSERT INTO day (day_id, month_id, day, num_day) VALUES
(130,5,'wednesday',10);

INSERT INTO day (day_id, month_id, day, num_day) VALUES
(131,5,'thursday',11);

INSERT INTO day (day_id, month_id, day, num_day) VALUES
(132,5,'friday',12);

INSERT INTO day (day_id, month_id, day, num_day) VALUES
(133,5,'saturday',13);

INSERT INTO day (day_id, month_id, day, num_day) VALUES
(134,5,'sunday',14);

INSERT INTO day (day_id, month_id, day, num_day) VALUES
(135,5,'monday',15);

INSERT INTO day (day_id, month_id, day, num_day) VALUES
(136,5,'tuesday',16);

INSERT INTO day (day_id, month_id, day, num_day) VALUES
(137,5,'wednesday',17);

INSERT INTO day (day_id, month_id, day, num_day) VALUES
(138,5,'thursday',18);

INSERT INTO day (day_id, month_id, day, num_day) VALUES
(139,5,'friday',19);

INSERT INTO day (day_id, month_id, day, num_day) VALUES
(140,5,'saturday',20);

INSERT INTO day (day_id, month_id, day, num_day) VALUES
(141,5,'sunday',21);

INSERT INTO day (day_id, month_id, day, num_day) VALUES
(142,5,'monday',22);

INSERT INTO day (day_id, month_id, day, num_day) VALUES
(143,5,'tuesday',23);

INSERT INTO day (day_id, month_id, day, num_day) VALUES
(144,5,'wednesday',24);

INSERT INTO day (day_id, month_id, day, num_day) VALUES
(145,5,'thursday',25);

INSERT INTO day (day_id, month_id, day, num_day) VALUES
(146,5,'friday',26);
```

```
INSERT INTO day (day_id, month_id, day, num_day) VALUES
(147,5,'saturday',27);

INSERT INTO day (day_id, month_id, day, num_day) VALUES
(148,5,'sunday',28);

INSERT INTO day (day_id, month_id, day, num_day) VALUES
(149,5,'monday',29);

INSERT INTO day (day_id, month_id, day, num_day) VALUES
(150,5,'tuesday',30);

INSERT INTO day (day_id, month_id, day, num_day) VALUES
(151,5,'wednesday',31);

INSERT INTO day (day_id, month_id, day, num_day) VALUES
(152,6,'thursday',1);

INSERT INTO day (day_id, month_id, day, num_day) VALUES
(153,6,'friday',2);

INSERT INTO day (day_id, month_id, day, num_day) VALUES
(154,6,'saturday',3);

INSERT INTO day (day_id, month_id, day, num_day) VALUES
(155,6,'sunday',4);

INSERT INTO day (day_id, month_id, day, num_day) VALUES
(156,6,'monday',5);

INSERT INTO day (day_id, month_id, day, num_day) VALUES
(157,6,'tuesday',6);

INSERT INTO day (day_id, month_id, day, num_day) VALUES
(158,6,'wednesday',7);

INSERT INTO day (day_id, month_id, day, num_day) VALUES
(159,6,'thursday',8);

INSERT INTO day (day_id, month_id, day, num_day) VALUES
(160,6,'friday',9);

INSERT INTO day (day_id, month_id, day, num_day) VALUES
(161,6,'saturday',10);

INSERT INTO day (day_id, month_id, day, num_day) VALUES
(162,6,'sunday',11);

INSERT INTO day (day_id, month_id, day, num_day) VALUES
(163,6,'monday',12);

INSERT INTO day (day_id, month_id, day, num_day) VALUES
(164,6,'tuesday',13);
```

```
INSERT INTO day (day_id, month_id, day, num_day) VALUES
(165,6,'wednesday',14);

INSERT INTO day (day_id, month_id, day, num_day) VALUES
(166,6,'thursday',15);

INSERT INTO day (day_id, month_id, day, num_day) VALUES
(167,6,'friday',16);

INSERT INTO day (day_id, month_id, day, num_day) VALUES
(168,6,'saturday',17);

INSERT INTO day (day_id, month_id, day, num_day) VALUES
(169,6,'sunday',18);

INSERT INTO day (day_id, month_id, day, num_day) VALUES
(170,6,'monday',19);

INSERT INTO day (day_id, month_id, day, num_day) VALUES
(171,6,'tuesday',20);

INSERT INTO day (day_id, month_id, day, num_day) VALUES
(172,6,'wednesday',21);

INSERT INTO day (day_id, month_id, day, num_day) VALUES
(173,6,'thursday',22);

INSERT INTO day (day_id, month_id, day, num_day) VALUES
(174,6,'friday',23);

INSERT INTO day (day_id, month_id, day, num_day) VALUES
(175,6,'saturday',24);

INSERT INTO day (day_id, month_id, day, num_day) VALUES
(176,6,'sunday',25);

INSERT INTO day (day_id, month_id, day, num_day) VALUES
(177,6,'monday',26);

INSERT INTO day (day_id, month_id, day, num_day) VALUES
(178,6,'tuesday',27);

INSERT INTO day (day_id, month_id, day, num_day) VALUES
(179,6,'wednesday',28);

INSERT INTO day (day_id, month_id, day, num_day) VALUES
(180,6,'thursday',29);

INSERT INTO day (day_id, month_id, day, num_day) VALUES
(181,6,'friday',30);

INSERT INTO day (day_id, month_id, day, num_day) VALUES
(182,7,'saturday',1);
```

```
INSERT INTO day (day_id, month_id, day, num_day) VALUES
(183,7,'sunday',2);

INSERT INTO day (day_id, month_id, day, num_day) VALUES
(184,7,'monday',3);

INSERT INTO day (day_id, month_id, day, num_day) VALUES
(185,7,'tuesday',4);

INSERT INTO day (day_id, month_id, day, num_day) VALUES
(186,7,'wednesday',5);

INSERT INTO day (day_id, month_id, day, num_day) VALUES
(187,7,'thursday',6);

INSERT INTO day (day_id, month_id, day, num_day) VALUES
(188,7,'friday',7);

INSERT INTO day (day_id, month_id, day, num_day) VALUES
(189,7,'saturday',8);

INSERT INTO day (day_id, month_id, day, num_day) VALUES
(190,7,'sunday',9);

INSERT INTO day (day_id, month_id, day, num_day) VALUES
(191,7,'monday',10);

INSERT INTO day (day_id, month_id, day, num_day) VALUES
(192,7,'tuesday',11);

INSERT INTO day (day_id, month_id, day, num_day) VALUES
(193,7,'wednesday',12);

INSERT INTO day (day_id, month_id, day, num_day) VALUES
(194,7,'thursday',13);

INSERT INTO day (day_id, month_id, day, num_day) VALUES
(195,7,'friday',14);

INSERT INTO day (day_id, month_id, day, num_day) VALUES
(196,7,'saturday',15);

INSERT INTO day (day_id, month_id, day, num_day) VALUES
(197,7,'sunday',16);

INSERT INTO day (day_id, month_id, day, num_day) VALUES
(198,7,'monday',17);

INSERT INTO day (day_id, month_id, day, num_day) VALUES
(199,7,'tuesday',18);

INSERT INTO day (day_id, month_id, day, num_day) VALUES
(200,7,'wednesday',19);
```

```
INSERT INTO day (day_id, month_id, day, num_day) VALUES
(201,7,'thursday',20);

INSERT INTO day (day_id, month_id, day, num_day) VALUES
(202,7,'friday',21);

INSERT INTO day (day_id, month_id, day, num_day) VALUES
(203,7,'saturday',22);

INSERT INTO day (day_id, month_id, day, num_day) VALUES
(204,7,'sunday',23);

INSERT INTO day (day_id, month_id, day, num_day) VALUES
(205,7,'monday',24);

INSERT INTO day (day_id, month_id, day, num_day) VALUES
(206,7,'tuesday',25);

INSERT INTO day (day_id, month_id, day, num_day) VALUES
(207,7,'wednesday',26);

INSERT INTO day (day_id, month_id, day, num_day) VALUES
(208,7,'thursday',27);

INSERT INTO day (day_id, month_id, day, num_day) VALUES
(209,7,'friday',28);

INSERT INTO day (day_id, month_id, day, num_day) VALUES
(210,7,'saturday',29);

INSERT INTO day (day_id, month_id, day, num_day) VALUES
(211,7,'sunday',30);

INSERT INTO day (day_id, month_id, day, num_day) VALUES
(212,7,'monday',31);

INSERT INTO day (day_id, month_id, day, num_day) VALUES
(213,8,'tuesday',1);

INSERT INTO day (day_id, month_id, day, num_day) VALUES
(214,8,'wednesday',2);

INSERT INTO day (day_id, month_id, day, num_day) VALUES
(215,8,'thursday',3);

INSERT INTO day (day_id, month_id, day, num_day) VALUES
(216,8,'friday',4);

INSERT INTO day (day_id, month_id, day, num_day) VALUES
(217,8,'saturday',5);

INSERT INTO day (day_id, month_id, day, num_day) VALUES
(218,8,'sunday',6);
```

```
INSERT INTO day (day_id, month_id, day, num_day) VALUES
(219,8,'monday',7);

INSERT INTO day (day_id, month_id, day, num_day) VALUES
(220,8,'tuesday',8);

INSERT INTO day (day_id, month_id, day, num_day) VALUES
(221,8,'wednesday',9);

INSERT INTO day (day_id, month_id, day, num_day) VALUES
(222,8,'thursday',10);

INSERT INTO day (day_id, month_id, day, num_day) VALUES
(223,8,'friday',11);

INSERT INTO day (day_id, month_id, day, num_day) VALUES
(224,8,'saturday',12);

INSERT INTO day (day_id, month_id, day, num_day) VALUES
(225,8,'sunday',13);

INSERT INTO day (day_id, month_id, day, num_day) VALUES
(226,8,'monday',14);

INSERT INTO day (day_id, month_id, day, num_day) VALUES
(227,8,'tuesday',15);

INSERT INTO day (day_id, month_id, day, num_day) VALUES
(228,8,'wednesday',16);

INSERT INTO day (day_id, month_id, day, num_day) VALUES
(229,8,'thursday',17);

INSERT INTO day (day_id, month_id, day, num_day) VALUES
(230,8,'friday',18);

INSERT INTO day (day_id, month_id, day, num_day) VALUES
(231,8,'saturday',19);

INSERT INTO day (day_id, month_id, day, num_day) VALUES
(232,8,'sunday',20);

INSERT INTO day (day_id, month_id, day, num_day) VALUES
(233,8,'monday',21);

INSERT INTO day (day_id, month_id, day, num_day) VALUES
(234,8,'tuesday',22);

INSERT INTO day (day_id, month_id, day, num_day) VALUES
(235,8,'wednesday',23);

INSERT INTO day (day_id, month_id, day, num_day) VALUES
(236,8,'thursday',24);
```

```
INSERT INTO day (day_id, month_id, day, num_day) VALUES
(237,8,'friday',25);

INSERT INTO day (day_id, month_id, day, num_day) VALUES
(238,8,'saturday',26);

INSERT INTO day (day_id, month_id, day, num_day) VALUES
(239,8,'sunday',27);

INSERT INTO day (day_id, month_id, day, num_day) VALUES
(240,8,'monday',28);

INSERT INTO day (day_id, month_id, day, num_day) VALUES
(241,8,'tuesday',29);

INSERT INTO day (day_id, month_id, day, num_day) VALUES
(242,8,'wednesday',30);

INSERT INTO day (day_id, month_id, day, num_day) VALUES
(243,8,'thursday',31);

INSERT INTO day (day_id, month_id, day, num_day) VALUES
(244,9,'friday',1);

INSERT INTO day (day_id, month_id, day, num_day) VALUES
(245,9,'saturday',2);

INSERT INTO day (day_id, month_id, day, num_day) VALUES
(246,9,'sunday',3);

INSERT INTO day (day_id, month_id, day, num_day) VALUES
(247,9,'monday',4);

INSERT INTO day (day_id, month_id, day, num_day) VALUES
(248,9,'tuesday',5);

INSERT INTO day (day_id, month_id, day, num_day) VALUES
(249,9,'wednesday',6);

INSERT INTO day (day_id, month_id, day, num_day) VALUES
(250,9,'thursday',7);

INSERT INTO day (day_id, month_id, day, num_day) VALUES
(251,9,'friday',8);

INSERT INTO day (day_id, month_id, day, num_day) VALUES
(252,9,'saturday',9);

INSERT INTO day (day_id, month_id, day, num_day) VALUES
(253,9,'sunday',10);

INSERT INTO day (day_id, month_id, day, num_day) VALUES
(254,9,'monday',11);
```

```
INSERT INTO day (day_id, month_id, day, num_day) VALUES
(255,9,'tuesday',12);

INSERT INTO day (day_id, month_id, day, num_day) VALUES
(256,9,'wednesday',13);

INSERT INTO day (day_id, month_id, day, num_day) VALUES
(257,9,'thursday',14);

INSERT INTO day (day_id, month_id, day, num_day) VALUES
(258,9,'friday',15);

INSERT INTO day (day_id, month_id, day, num_day) VALUES
(259,9,'saturday',16);

INSERT INTO day (day_id, month_id, day, num_day) VALUES
(260,9,'sunday',17);

INSERT INTO day (day_id, month_id, day, num_day) VALUES
(261,9,'monday',18);

INSERT INTO day (day_id, month_id, day, num_day) VALUES
(262,9,'tuesday',19);

INSERT INTO day (day_id, month_id, day, num_day) VALUES
(263,9,'wednesday',20);

INSERT INTO day (day_id, month_id, day, num_day) VALUES
(264,9,'thursday',21);

INSERT INTO day (day_id, month_id, day, num_day) VALUES
(265,9,'friday',22);

INSERT INTO day (day_id, month_id, day, num_day) VALUES
(266,9,'saturday',23);

INSERT INTO day (day_id, month_id, day, num_day) VALUES
(267,9,'sunday',24);

INSERT INTO day (day_id, month_id, day, num_day) VALUES
(268,9,'monday',25);

INSERT INTO day (day_id, month_id, day, num_day) VALUES
(269,9,'tuesday',26);

INSERT INTO day (day_id, month_id, day, num_day) VALUES
(270,9,'wednesday',27);

INSERT INTO day (day_id, month_id, day, num_day) VALUES
(271,9,'thursday',28);

INSERT INTO day (day_id, month_id, day, num_day) VALUES
(272,9,'friday',29);
```

```
INSERT INTO day (day_id, month_id, day, num_day) VALUES
(273,9,'saturday',30);

INSERT INTO day (day_id, month_id, day, num_day) VALUES
(274,10,'sunday',1);

INSERT INTO day (day_id, month_id, day, num_day) VALUES
(275,10,'monday',2);

INSERT INTO day (day_id, month_id, day, num_day) VALUES
(276,10,'tuesday',3);

INSERT INTO day (day_id, month_id, day, num_day) VALUES
(277,10,'wednesday',4);

INSERT INTO day (day_id, month_id, day, num_day) VALUES
(278,10,'thursday',5);

INSERT INTO day (day_id, month_id, day, num_day) VALUES
(279,10,'friday',6);

INSERT INTO day (day_id, month_id, day, num_day) VALUES
(280,10,'saturday',7);

INSERT INTO day (day_id, month_id, day, num_day) VALUES
(281,10,'sunday',8);

INSERT INTO day (day_id, month_id, day, num_day) VALUES
(282,10,'monday',9);

INSERT INTO day (day_id, month_id, day, num_day) VALUES
(283,10,'tuesday',10);

INSERT INTO day (day_id, month_id, day, num_day) VALUES
(284,10,'wednesday',11);

INSERT INTO day (day_id, month_id, day, num_day) VALUES
(285,10,'thursday',12);

INSERT INTO day (day_id, month_id, day, num_day) VALUES
(286,10,'friday',13);

INSERT INTO day (day_id, month_id, day, num_day) VALUES
(287,10,'saturday',14);

INSERT INTO day (day_id, month_id, day, num_day) VALUES
(288,10,'sunday',15);

INSERT INTO day (day_id, month_id, day, num_day) VALUES
(289,10,'monday',16);

INSERT INTO day (day_id, month_id, day, num_day) VALUES
(290,10,'tuesday',17);
```

```
INSERT INTO day (day_id, month_id, day, num_day) VALUES
(291,10,'wednesday',18);

INSERT INTO day (day_id, month_id, day, num_day) VALUES
(292,10,'thursday',19);

INSERT INTO day (day_id, month_id, day, num_day) VALUES
(293,10,'friday',20);

INSERT INTO day (day_id, month_id, day, num_day) VALUES
(294,10,'saturday',21);

INSERT INTO day (day_id, month_id, day, num_day) VALUES
(295,10,'sunday',22);

INSERT INTO day (day_id, month_id, day, num_day) VALUES
(296,10,'monday',23);

INSERT INTO day (day_id, month_id, day, num_day) VALUES
(297,10,'tuesday',24);

INSERT INTO day (day_id, month_id, day, num_day) VALUES
(298,10,'wednesday',25);

INSERT INTO day (day_id, month_id, day, num_day) VALUES
(299,10,'thursday',26);

INSERT INTO day (day_id, month_id, day, num_day) VALUES
(300,10,'friday',27);

INSERT INTO day (day_id, month_id, day, num_day) VALUES
(301,10,'saturday',28);

INSERT INTO day (day_id, month_id, day, num_day) VALUES
(302,10,'sunday',29);

INSERT INTO day (day_id, month_id, day, num_day) VALUES
(303,10,'monday',30);

INSERT INTO day (day_id, month_id, day, num_day) VALUES
(304,10,'tuesday',31);

INSERT INTO day (day_id, month_id, day, num_day) VALUES
(305,11,'wednesday',1);

INSERT INTO day (day_id, month_id, day, num_day) VALUES
(306,11,'thursday',2);

INSERT INTO day (day_id, month_id, day, num_day) VALUES
(307,11,'friday',3);

INSERT INTO day (day_id, month_id, day, num_day) VALUES
(308,11,'saturday',4);
```

```
INSERT INTO day (day_id, month_id, day, num_day) VALUES
(309,11,'sunday',5);

INSERT INTO day (day_id, month_id, day, num_day) VALUES
(310,11,'monday',6);

INSERT INTO day (day_id, month_id, day, num_day) VALUES
(311,11,'tuesday',7);

INSERT INTO day (day_id, month_id, day, num_day) VALUES
(312,11,'wednesday',8);

INSERT INTO day (day_id, month_id, day, num_day) VALUES
(313,11,'thursday',9);

INSERT INTO day (day_id, month_id, day, num_day) VALUES
(314,11,'friday',10);

INSERT INTO day (day_id, month_id, day, num_day) VALUES
(315,11,'saturday',11);

INSERT INTO day (day_id, month_id, day, num_day) VALUES
(316,11,'sunday',12);

INSERT INTO day (day_id, month_id, day, num_day) VALUES
(317,11,'monday',13);

INSERT INTO day (day_id, month_id, day, num_day) VALUES
(318,11,'tuesday',14);

INSERT INTO day (day_id, month_id, day, num_day) VALUES
(319,11,'wednesday',15);

INSERT INTO day (day_id, month_id, day, num_day) VALUES
(320,11,'thursday',16);

INSERT INTO day (day_id, month_id, day, num_day) VALUES
(321,11,'friday',17);

INSERT INTO day (day_id, month_id, day, num_day) VALUES
(322,11,'saturday',18);

INSERT INTO day (day_id, month_id, day, num_day) VALUES
(323,11,'sunday',19);

INSERT INTO day (day_id, month_id, day, num_day) VALUES
(324,11,'monday',20);

INSERT INTO day (day_id, month_id, day, num_day) VALUES
(325,11,'tuesday',21);

INSERT INTO day (day_id, month_id, day, num_day) VALUES
(326,11,'wednesday',22);
```

```
INSERT INTO day (day_id, month_id, day, num_day) VALUES
(327,11,'thursday',23);

INSERT INTO day (day_id, month_id, day, num_day) VALUES
(328,11,'friday',24);

INSERT INTO day (day_id, month_id, day, num_day) VALUES
(329,11,'saturday',25);

INSERT INTO day (day_id, month_id, day, num_day) VALUES
(330,11,'sunday',26);

INSERT INTO day (day_id, month_id, day, num_day) VALUES
(331,11,'monday',27);

INSERT INTO day (day_id, month_id, day, num_day) VALUES
(332,11,'tuesday',28);

INSERT INTO day (day_id, month_id, day, num_day) VALUES
(333,11,'wednesday',29);

INSERT INTO day (day_id, month_id, day, num_day) VALUES
(334,11,'thursday',30);

INSERT INTO day (day_id, month_id, day, num_day) VALUES
(335,12,'friday',1);

INSERT INTO day (day_id, month_id, day, num_day) VALUES
(336,12,'saturday',2);

INSERT INTO day (day_id, month_id, day, num_day) VALUES
(337,12,'sunday',3);

INSERT INTO day (day_id, month_id, day, num_day) VALUES
(338,12,'monday',4);

INSERT INTO day (day_id, month_id, day, num_day) VALUES
(339,12,'tuesday',5);

INSERT INTO day (day_id, month_id, day, num_day) VALUES
(340,12,'wednesday',6);

INSERT INTO day (day_id, month_id, day, num_day) VALUES
(341,12,'thursday',7);

INSERT INTO day (day_id, month_id, day, num_day) VALUES
(342,12,'friday',8);

INSERT INTO day (day_id, month_id, day, num_day) VALUES
(343,12,'saturday',9);

INSERT INTO day (day_id, month_id, day, num_day) VALUES
(344,12,'sunday',10);
```

```
INSERT INTO day (day_id, month_id, day, num_day) VALUES
(345,12,'monday',11);

INSERT INTO day (day_id, month_id, day, num_day) VALUES
(346,12,'tuesday',12);

INSERT INTO day (day_id, month_id, day, num_day) VALUES
(347,12,'wednesday',13);

INSERT INTO day (day_id, month_id, day, num_day) VALUES
(348,12,'thursday',14);

INSERT INTO day (day_id, month_id, day, num_day) VALUES
(349,12,'friday',15);

INSERT INTO day (day_id, month_id, day, num_day) VALUES
(350,12,'saturday',16);

INSERT INTO day (day_id, month_id, day, num_day) VALUES
(351,12,'sunday',17);

INSERT INTO day (day_id, month_id, day, num_day) VALUES
(352,12,'monday',18);

INSERT INTO day (day_id, month_id, day, num_day) VALUES
(353,12,'tuesday',19);

INSERT INTO day (day_id, month_id, day, num_day) VALUES
(354,12,'wednesday',20);

INSERT INTO day (day_id, month_id, day, num_day) VALUES
(355,12,'thursday',21);

INSERT INTO day (day_id, month_id, day, num_day) VALUES
(356,12,'friday',22);

INSERT INTO day (day_id, month_id, day, num_day) VALUES
(357,12,'saturday',23);

INSERT INTO day (day_id, month_id, day, num_day) VALUES
(358,12,'sunday',24);

INSERT INTO day (day_id, month_id, day, num_day) VALUES
(359,12,'monday',25);

INSERT INTO day (day_id, month_id, day, num_day) VALUES
(360,12,'tuesday',26);

INSERT INTO day (day_id, month_id, day, num_day) VALUES
(361,12,'wednesday',27);

INSERT INTO day (day_id, month_id, day, num_day) VALUES
(362,12,'thursday',28);
```

```
INSERT INTO day (day_id, month_id, day, num_day) VALUES
(363,12,'friday',29);

INSERT INTO day (day_id, month_id, day, num_day) VALUES
(364,12,'saturday',30);

INSERT INTO day (day_id, month_id, day, num_day) VALUES
(365,12,'sunday',31);

commit;


--insert warehouse

INSERT INTO warehouse (code, subregion_id) VALUES (1,1);

INSERT INTO warehouse (code, subregion_id) VALUES (2,1);

INSERT INTO warehouse (code, subregion_id) VALUES (3,2);

INSERT INTO warehouse (code, subregion_id) VALUES (4,2);

INSERT INTO warehouse (code, subregion_id) VALUES (5,3);

INSERT INTO warehouse (code, subregion_id) VALUES (6,3);

INSERT INTO warehouse (code, subregion_id) VALUES (7,4);

INSERT INTO warehouse (code, subregion_id) VALUES (8,4);

INSERT INTO warehouse (code, subregion_id) VALUES (9,5);

INSERT INTO warehouse (code, subregion_id) VALUES (10,5);

INSERT INTO warehouse (code, subregion_id) VALUES (11,6);

INSERT INTO warehouse (code, subregion_id) VALUES (12,6);

INSERT INTO warehouse (code, subregion_id) VALUES (13,7);

INSERT INTO warehouse (code, subregion_id) VALUES (14,7);

INSERT INTO warehouse (code, subregion_id) VALUES (15,8);

INSERT INTO warehouse (code, subregion_id) VALUES (16,8);

INSERT INTO warehouse (code, subregion_id) VALUES (17,9);

INSERT INTO warehouse (code, subregion_id) VALUES (18,9);

INSERT INTO warehouse (code, subregion_id) VALUES (19,10);

INSERT INTO warehouse (code, subregion_id) VALUES (20,10);

INSERT INTO warehouse (code, subregion_id) VALUES (22,11);

INSERT INTO warehouse (code, subregion_id) VALUES (21,11);
```

```
INSERT INTO warehouse (code, subregion_id) VALUES (23,12);

INSERT INTO warehouse (code, subregion_id) VALUES (24,12);

INSERT INTO warehouse (code, subregion_id) VALUES (25,13);

INSERT INTO warehouse (code, subregion_id) VALUES (26,13);

INSERT INTO warehouse (code, subregion_id) VALUES (27,14);

INSERT INTO warehouse (code, subregion_id) VALUES (28,14);

INSERT INTO warehouse (code, subregion_id) VALUES (29,15);

INSERT INTO warehouse (code, subregion_id) VALUES (30,15);

INSERT INTO warehouse (code, subregion_id) VALUES (31,16);

INSERT INTO warehouse (code, subregion_id) VALUES (32,16);

INSERT INTO warehouse (code, subregion_id) VALUES (33,17);

INSERT INTO warehouse (code, subregion_id) VALUES (34,17);

INSERT INTO warehouse (code, subregion_id) VALUES (35,18);

INSERT INTO warehouse (code, subregion_id) VALUES (36,18);

INSERT INTO warehouse (code, subregion_id) VALUES (37,19);

INSERT INTO warehouse (code, subregion_id) VALUES (38,19);

INSERT INTO warehouse (code, subregion_id) VALUES (39,20);

INSERT INTO warehouse (code, subregion_id) VALUES (40,20);

INSERT INTO warehouse (code, subregion_id) VALUES (41,21);

INSERT INTO warehouse (code, subregion_id) VALUES (42,21);

INSERT INTO warehouse (code, subregion_id) VALUES (43,22);

INSERT INTO warehouse (code, subregion_id) VALUES (44,22);

-- inserts books

INSERT INTO books (isbn, title, price) VALUES (9706279301,'A
Gentleman Never Keeps Score',384.00);

INSERT INTO books (isbn, title, price) VALUES (9728304802,'Texas
Glory',94.50);

INSERT INTO books (isbn, title, price) VALUES (9702833303,'Rainy
day friends',45.00);

INSERT INTO books (isbn, title, price) VALUES (9703859304,'Crazy
Rich Asians',1234.50);
```

```
INSERT INTO books (isbn, title, price) VALUES (9793937405,'Tell me
you are mine',23.60);

INSERT INTO books (isbn, title, price) VALUES (9729473006,'The spy
and the traitor',200.00);

INSERT INTO books (isbn, title, price) VALUES
(9703746207,'Paradaise Sky by Jose Lansdale',145.00);

INSERT INTO books (isbn, title, price) VALUES (9739482708,'Meet
Camaro from the Nigh Charter',165.99);

INSERT INTO books (isbn, title, price) VALUES (9706279309,'Book 9
for A Gentleman',344.00);

INSERT INTO books (isbn, title, price) VALUES (9728304810,'Book 10
for Texas',84.50);

INSERT INTO books (isbn, title, price) VALUES (9702833311,'Book 11
for Rainy day',75.00);

INSERT INTO books (isbn, title, price) VALUES (9703859312,'Book 12
for Crazy Rich Asians',124.50);

INSERT INTO books (isbn, title, price) VALUES (9793937413,'Book 13
for you',23.60);

INSERT INTO books (isbn, title, price) VALUES (9729473014,'Book 14
for the spy and the traitor',240.00);

INSERT INTO books (isbn, title, price) VALUES (9793937413,'Book 15
for the Sky ',135.00);

INSERT INTO books (isbn, title, price) VALUES (9739482716,'Book 16
for the Nigh Charter',125.99);

INSERT INTO books (isbn, title, price) VALUES (9706279317,'Book 17
Keeps Score',314.00);

INSERT INTO books (isbn, title, price) VALUES (9728304818,'Book 18
Glory',84.50);

INSERT INTO books (isbn, title, price) VALUES (9702833319,'Book 19
day friends',65.00);

INSERT INTO books (isbn, title, price) VALUES (9703859320,'Book 20
Asians',1434.50);

INSERT INTO books (isbn, title, price) VALUES (9703859321,'Book 21
for the Bible',1434.50);


--insert facts_ticket
```

```
INSERT INTO facts_ticket (day_id, warehouse_code, books_isbn,
sell_by_product, ticket_number) VALUES (52,14,9703859312,275,1);

INSERT INTO facts_ticket (day_id, warehouse_code, books_isbn,
sell_by_product, ticket_number) VALUES (345,10,9703746207,48,1);

INSERT INTO facts_ticket (day_id, warehouse_code, books_isbn,
sell_by_product, ticket_number) VALUES (314,7,9739482716,15,1);

INSERT INTO facts_ticket (day_id, warehouse_code, books_isbn,
sell_by_product, ticket_number) VALUES (50,17,9703746215,56,1);

INSERT INTO facts_ticket (day_id, warehouse_code, books_isbn,
sell_by_product, ticket_number) VALUES (6,37,9793937405,270,1);

INSERT INTO facts_ticket (day_id, warehouse_code, books_isbn,
sell_by_product, ticket_number) VALUES (358,31,9703746207,96,2);

INSERT INTO facts_ticket (day_id, warehouse_code, books_isbn,
sell_by_product, ticket_number) VALUES (223,8,9703746215,84,2);

INSERT INTO facts_ticket (day_id, warehouse_code, books_isbn,
sell_by_product, ticket_number) VALUES (91,23,9703746207,16,2);

INSERT INTO facts_ticket (day_id, warehouse_code, books_isbn,
sell_by_product, ticket_number) VALUES (142,24,9793937413,166,3);

INSERT INTO facts_ticket (day_id, warehouse_code, books_isbn,
sell_by_product, ticket_number) VALUES (123,25,9706279301,180,3);

INSERT INTO facts_ticket (day_id, warehouse_code, books_isbn,
sell_by_product, ticket_number) VALUES (339,23,9793937413,14,3);

INSERT INTO facts_ticket (day_id, warehouse_code, books_isbn,
sell_by_product, ticket_number) VALUES (35,29,9702833319,287,3);

INSERT INTO facts_ticket (day_id, warehouse_code, books_isbn,
sell_by_product, ticket_number) VALUES (167,22,9728304802,56,3);

INSERT INTO facts_ticket (day_id, warehouse_code, books_isbn,
sell_by_product, ticket_number) VALUES (64,13,9706279301,90,4);

INSERT INTO facts_ticket (day_id, warehouse_code, books_isbn,
sell_by_product, ticket_number) VALUES (219,18,9793937413,581,4);

INSERT INTO facts_ticket (day_id, warehouse_code, books_isbn,
sell_by_product, ticket_number) VALUES (129,14,9729473014,637,6);

INSERT INTO facts_ticket (day_id, warehouse_code, books_isbn,
sell_by_product, ticket_number) VALUES (60,16,9729473006,74,6);

INSERT INTO facts_ticket (day_id, warehouse_code, books_isbn,
sell_by_product, ticket_number) VALUES (7,12,9706279301,210,7);
```

```
INSERT INTO facts_ticket (day_id, warehouse_code, books_isbn,
sell_by_product, ticket_number) VALUES (329,24,9728304810,84,7);

INSERT INTO facts_ticket (day_id, warehouse_code, books_isbn,
sell_by_product, ticket_number) VALUES (344,38,9793937405,225,7);

INSERT INTO facts_ticket (day_id, warehouse_code, books_isbn,
sell_by_product, ticket_number) VALUES (328,10,9739482716,105,7);

INSERT INTO facts_ticket (day_id, warehouse_code, books_isbn,
sell_by_product, ticket_number) VALUES (239,32,9703859304,840,8);

INSERT INTO facts_ticket (day_id, warehouse_code, books_isbn,
sell_by_product, ticket_number) VALUES (66,6,9793937405,225,8);

INSERT INTO facts_ticket (day_id, warehouse_code, books_isbn,
sell_by_product, ticket_number) VALUES (44,30,9729473006,222,8);

INSERT INTO facts_ticket (day_id, warehouse_code, books_isbn,
sell_by_product, ticket_number) VALUES (355,10,9703859320,198,9);

INSERT INTO facts_ticket (day_id, warehouse_code, books_isbn,
sell_by_product, ticket_number) VALUES (54,13,9702833319,246,9);

INSERT INTO facts_ticket (day_id, warehouse_code, books_isbn,
sell_by_product, ticket_number) VALUES (296,37,9703859304,240,10);

INSERT INTO facts_ticket (day_id, warehouse_code, books_isbn,
sell_by_product, ticket_number) VALUES (49,18,9703859321,27,10);

INSERT INTO facts_ticket (day_id, warehouse_code, books_isbn,
sell_by_product, ticket_number) VALUES (233,6,9729473014,364,11);

INSERT INTO facts_ticket (day_id, warehouse_code, books_isbn,
sell_by_product, ticket_number) VALUES (88,5,9728304818,35,11);

INSERT INTO facts_ticket (day_id, warehouse_code, books_isbn,
sell_by_product, ticket_number) VALUES (95,36,9728304810,72,11);

INSERT INTO facts_ticket (day_id, warehouse_code, books_isbn,
sell_by_product, ticket_number) VALUES (341,21,9703746207,112,11);


THE QUERY SOLUTION:

Obtain total daily sales by product and subregion

SELECT s.subregion_desc,
            d.day_id,
            p.book_isbn,
            SUM (sell_by_product) AS SALES_AMOUNT
```

```
FROM facts_ticket v

    INNER JOIN warehouse t ON v.warehouse_code = t.code

    INNER JOIN SUBREGION s ON t.subregion_id = s.subregion_id

    INNER JOIN day d ON v.day_id = d.day_id

    INNER JOIN books p ON v.books_isbn = p.isbn

    GROUP BY s.subregion_id, d.day_id, p.isbn

    ORDER BY s.subregion_id, d.day_id, p.isbn;
```