Faculty of Engineering and Computer Science
Expectations of Originality

This form sets out the requirements for originality for work submitted by students in the Faculty of Engineering and Computer Science. Submissions such as assignments, lab reports, project reports, computer programs and take-home exams must conform to the requirements stated on this form and to the Academic Code of Conduct. The course outline may stipulate additional requirements for the course.

1. Your submissions must be your own original work. Group submissions must be the original work of the students in the group.
2. Direct quotations must not exceed 5% of the content of a report, must be enclosed in quotation marks, and must be attributed to the source by a numerical reference citation[1]. Note that engineering reports rarely contain direct quotations.
3. Material paraphrased or taken from a source must be attributed to the source by a numerical reference citation.
4. Text that is inserted from a web site must be enclosed in quotation marks and attributed to the web site by numerical reference citation.
5. Drawings, diagrams, photos, maps or other visual material taken from a source must be attributed to that source by a numerical reference citation.
6. No part of any assignment, lab report or project report submitted for this course can be submitted for any other course.
7. In preparing your submissions, the work of other past or present students cannot be consulted, used, copied, paraphrased or relied upon in any manner whatsoever.
8. Your submissions must consist entirely of your own or your group's ideas, observations, calculations, information and conclusions, except for statements attributed to sources by numerical citation.
9. Your submissions cannot be edited or revised by any other student.
10. For lab reports, the data must be obtained from your own or your lab group's experimental work.
11. For software, the code must be composed by you or by the group submitting the work, except for code that is attributed to its sources by numerical reference.

You must write one of the following statements on each piece of work that you submit:
For individual work: **"I certify that this submission is my original work and meets the Faculty's Expectations of Originality"**, with your signature, I.D. #, and the date.
For group work: **"We certify that this submission is the original work of members of the group and meets the Faculty's Expectations of Originality"**, with the signatures and I.D. #s of all the team members and the date.

A signed copy of this form must be submitted to the instructor at the beginning of the semester in each course.

I certify that I have read the requirements set out on this form, and that I am aware of these requirements. I certify that all the work I will submit for this course will comply with these requirements and with additional requirements stated in the course outline.

Course Number: COMP 353   Instructor: Dr. Khaled Jababo
Name: Mohamed Hefny 40033382   Aloys Portafaix 40030443   I.D. #
Signature: Mohamed Hefny Caren Rizk 40031705, Robert Beaudenon   Date: 20/07/2020
Caren Rizk

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[1] Rules for reference citation can be found in "Form and Style" by Patrich MacDonagh and Jack Bordan, fourth edition, May, 2000, available at http://www.encs.concordia.ca/scs/Forms/Form&Style.pdf.
Approved by the ENCS Faculty Council February 10, 2012

Department of Computer Science and Software Engineering

COMP 353 Summer 2020

Warmup Project

Presented by:

group account: vxc353_1

Mohamed Hefny 40033382
Aloys Portafaix 40030443
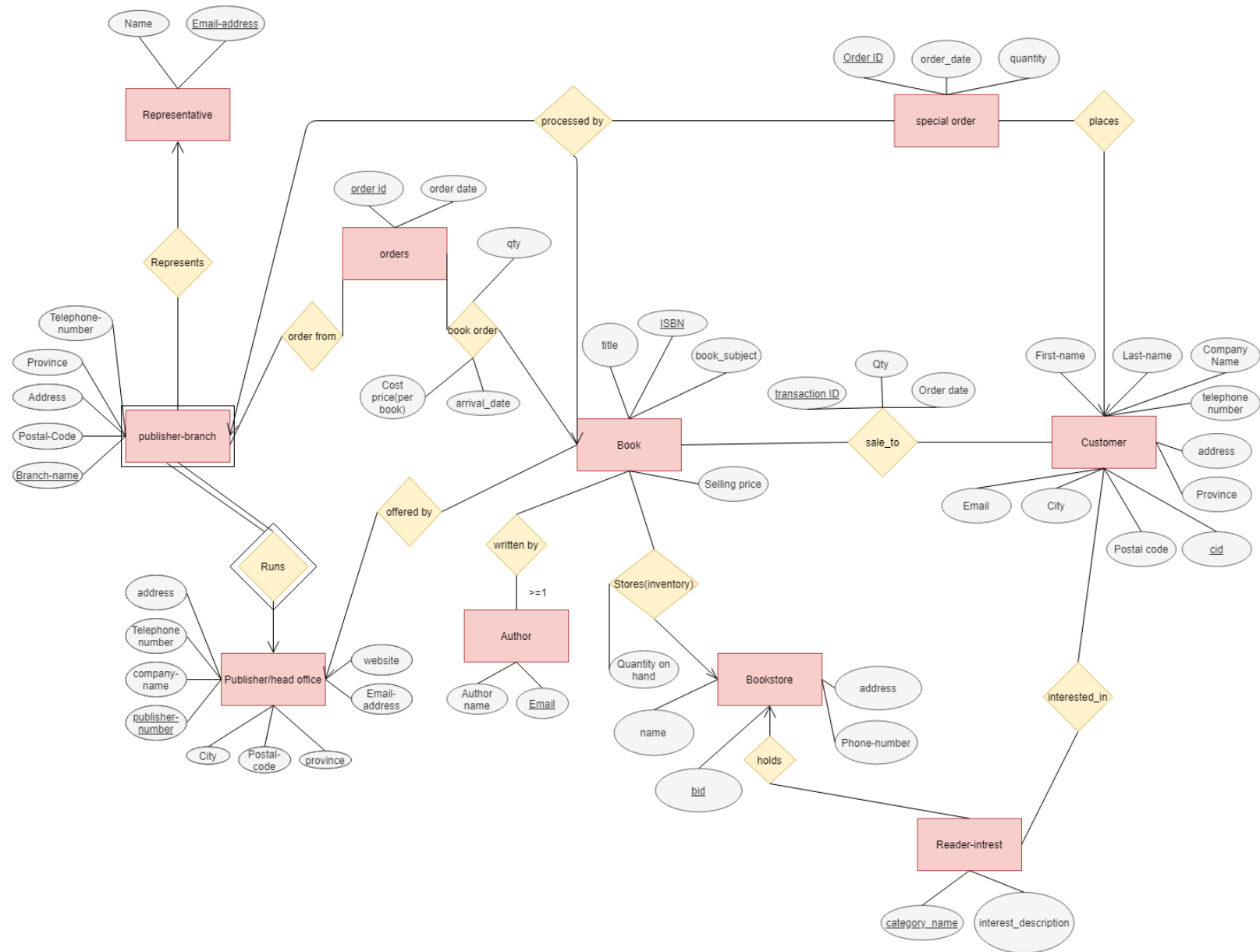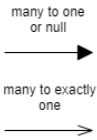Caren Rizk 40031705
Robert Beaudenon 260725065

To: Dr Khaled Jababo

Part 1.

Notes about E/R:

- The publisher details are the head office details.
- Can a customer order the same book on the same day? Yes, if he already bought the same book earlier during the day, you would just increment the "qty" attribute to increase the quantity ordered.
- Year to date quantity sold can be retrieved by a query instead of having an attribute for it. For example: select ISBN, count(*) from sale where order_date between x and y group by ISBN
- Amount of cumulative purchases can be retrieved by a query not necessary an attribute

E/R diagram

many to one
or null
→

many to exactly
one
→

Representative — Name, Email-address

Represents

publisher-branch — Telephone-number, Province, Address, Postal-Code, Branch-name

Runs

Publisher/head office — address, Telephone number, company-name, publisher-number, website, Email-address, City, Postal-code, province

orders — order id, order date

order from

book order — Cost price(per book), arrival_date

offered by

qty

processed by

special order — Order ID, order_date, quantity

places

Book — title, ISBN, book_subject, Selling price

written by — >=1

Author — Author name, Email

Stores(inventory)

Bookstore — Quantity on hand, name, address, Phone-number, bid

holds

sale_to — transaction ID, Qty, Order date

Customer — First-name, Last-name, Company Name, telephone number, address, Province, cid, Postal code, City, Email

interested_in

Reader-intrest — category_name, interest_description

Part 2.

/*Note: for better readability a sql file 'creatingtables.sql' is attached*/

```sql
-- MySQL dump 10.16  Distrib 10.1.37-MariaDB, for Win32 (AMD64)
--
-- Host: 127.0.0.1    Database: comp353a1
-- ------------------------------------------------------
-- Server version 10.1.37-MariaDB

/*!40101 SET @OLD_CHARACTER_SET_CLIENT=@@CHARACTER_SET_CLIENT */;
/*!40101 SET @OLD_CHARACTER_SET_RESULTS=@@CHARACTER_SET_RESULTS */;
/*!40101 SET @OLD_COLLATION_CONNECTION=@@COLLATION_CONNECTION */;
/*!40101 SET NAMES utf8 */;
/*!40103 SET @OLD_TIME_ZONE=@@TIME_ZONE */;
/*!40103 SET TIME_ZONE='+00:00' */;
/*!40014 SET @OLD_UNIQUE_CHECKS=@@UNIQUE_CHECKS, UNIQUE_CHECKS=0 */;
/*!40014 SET @OLD_FOREIGN_KEY_CHECKS=@@FOREIGN_KEY_CHECKS, FOREIGN_KEY_CHECKS=0 *
/;
/*!40101 SET @OLD_SQL_MODE=@@SQL_MODE, SQL_MODE='NO_AUTO_VALUE_ON_ZERO' */;
/*!40111 SET @OLD_SQL_NOTES=@@SQL_NOTES, SQL_NOTES=0 */;


--
-- Table structure for table `author`
--

DROP TABLE IF EXISTS `author`;
/*!40101 SET @saved_cs_client     = @@character_set_client */;
/*!40101 SET character_set_client = utf8 */;
CREATE TABLE `author` (
  `email` varchar(50) NOT NULL,
  `author_name` varchar(50) DEFAULT NULL,
  PRIMARY KEY (`email`)
) ENGINE=InnoDB DEFAULT CHARSET=latin1;
/*!40101 SET character_set_client = @saved_cs_client */;


--
-- Table structure for table `bookstore`
--

DROP TABLE IF EXISTS `bookstore`;
/*!40101 SET @saved_cs_client     = @@character_set_client */;
/*!40101 SET character_set_client = utf8 */;
```

```sql
CREATE TABLE `bookstore` (
  `bs_id` varchar(10) NOT NULL,
  `phone_number` varchar(50) DEFAULT NULL,
  `address` varchar(50) DEFAULT NULL,
  `bookstore_name` varchar(50) DEFAULT NULL,
  PRIMARY KEY (`bs_id`)
) ENGINE=InnoDB DEFAULT CHARSET=latin1;
/*!40101 SET character_set_client = @saved_cs_client */;


--
-- Table structure for table `book`
--

DROP TABLE IF EXISTS `book`;
/*!40101 SET @saved_cs_client     = @@character_set_client */;
/*!40101 SET character_set_client = utf8 */;
CREATE TABLE `book` (
  `ISBN` varchar(50) NOT NULL,
  `publisher_number` varchar(10) NOT NULL,
  `title` varchar(50) DEFAULT NULL,
  `book_subject` varchar(50) DEFAULT NULL,
  `Selling_price` varchar(50) DEFAULT NULL,

  PRIMARY KEY (`ISBN`),
  KEY `publisher_number` (`publisher_number`),
  CONSTRAINT `book_ibfk_1` FOREIGN KEY (`publisher_number`) REFERENCES `publisher` (`publisher_number`)
) ENGINE=InnoDB DEFAULT CHARSET=latin1;
/*!40101 SET character_set_client = @saved_cs_client */;

--
-- Table structure for table `book_order`
--

DROP TABLE IF EXISTS `book_order`;
/*!40101 SET @saved_cs_client     = @@character_set_client */;
/*!40101 SET character_set_client = utf8 */;
CREATE TABLE `book_order` (
  `order_id` varchar(10) NOT NULL,
  `ISBN` varchar(50) NOT NULL,
  `qty` int,
  `arrival_date` date,
  `cost_price` int DEFAULT null,
  PRIMARY KEY (`order_id`,`ISBN`),
```

```sql
  KEY `ISBN` (`ISBN`),
  CONSTRAINT `book_order_ibfk_1` FOREIGN KEY (`order_id`) REFERENCES `orders` (`order_id`),
  CONSTRAINT `book_order_ibfk_2` FOREIGN KEY (`ISBN`) REFERENCES `book` (`ISBN`)
) ENGINE=InnoDB DEFAULT CHARSET=latin1;
/*!40101 SET character_set_client = @saved_cs_client */;


--
-- Table structure for table `customer`
--

DROP TABLE IF EXISTS `customer`;
/*!40101 SET @saved_cs_client     = @@character_set_client */;
/*!40101 SET character_set_client = utf8 */;
CREATE TABLE `customer` (
  `cid` varchar(10),
  `first_name` varchar(50) DEFAULT NULL,
  `last_name` varchar(50) DEFAULT NULL,
  `company_name` varchar(50) DEFAULT NULL,
  `telephone_number` varchar(50) DEFAULT NULL,
  `address` varchar(50) DEFAULT NULL,
  `province` varchar(50) DEFAULT NULL,
  `postal_code` varchar(50) DEFAULT NULL,
  `city` varchar(50) DEFAULT NULL,
  `email` varchar(50) DEFAULT NULL,
  PRIMARY KEY (`cid`)
) ENGINE=InnoDB DEFAULT CHARSET=latin1;
/*!40101 SET character_set_client = @saved_cs_client */;


--
-- Table structure for table `interested_in`
--

DROP TABLE IF EXISTS `interested_in`;
/*!40101 SET @saved_cs_client     = @@character_set_client */;
/*!40101 SET character_set_client = utf8 */;
CREATE TABLE `interested_in` (
  `category_name` varchar(50) NOT NULL,
  `cid` varchar(10) NOT NULL,
  PRIMARY KEY (`category_name`,`cid`),
  KEY `cid` (`cid`),
  CONSTRAINT `interested_in_ibfk_1` FOREIGN KEY (`category_name`) REFERENCES `reader_interest` (`category_name`),
```

```sql
  CONSTRAINT `interested_in_ibfk_2` FOREIGN KEY (`cid`) REFERENCES `customer` (`c
id`)
) ENGINE=InnoDB DEFAULT CHARSET=latin1;
/*!40101 SET character_set_client = @saved_cs_client */;

--
-- Table structure for table `order_from`
--

DROP TABLE IF EXISTS `order_from`;
/*!40101 SET @saved_cs_client     = @@character_set_client */;
/*!40101 SET character_set_client = utf8 */;
CREATE TABLE `order_from` (
  `branch_name` varchar(50) NOT NULL,
  `publisher_number` varchar(10) NOT NULL,
  `order_id` varchar(10) NOT NULL,
  PRIMARY KEY (`branch_name`,`publisher_number`,`order_id`),
  KEY `order_id` (`order_id`),
  CONSTRAINT `order_from_ibfk_1` FOREIGN KEY (`branch_name`, `publisher_number`)
REFERENCES `publisher_branch` (`branch_name`, `publisher_number`),
  CONSTRAINT `order_from_ibfk_2` FOREIGN KEY (`order_id`) REFERENCES `orders` (`o
rder_id`)
) ENGINE=InnoDB DEFAULT CHARSET=latin1;
/*!40101 SET character_set_client = @saved_cs_client */;

--
-- Table structure for table `orders`
--

DROP TABLE IF EXISTS `orders`;
/*!40101 SET @saved_cs_client     = @@character_set_client */;
/*!40101 SET character_set_client = utf8 */;
CREATE TABLE `orders` (
  `order_id` varchar(10) NOT NULL,
  `order_date` date DEFAULT NULL,
  PRIMARY KEY (`order_id`)
) ENGINE=InnoDB DEFAULT CHARSET=latin1;
/*!40101 SET character_set_client = @saved_cs_client */;


--
-- Table structure for table `publisher`
--

DROP TABLE IF EXISTS `publisher`;
```

```sql
/*!40101 SET @saved_cs_client     = @@character_set_client */;
/*!40101 SET character_set_client = utf8 */;
CREATE TABLE `publisher` (
  `publisher_number` varchar(10) NOT NULL,
  `address` varchar(300) DEFAULT NULL,
  `telephone_number` varchar(50) DEFAULT NULL,
  `company_name` varchar(50) DEFAULT NULL,
  `city` varchar(50) DEFAULT NULL,
  `postal_code` varchar(50) DEFAULT NULL,
  `province` varchar(50) DEFAULT NULL,
  `email_address` varchar(50) DEFAULT NULL,
  `website` varchar(50) DEFAULT NULL,
  PRIMARY KEY (`publisher_number`),
  KEY `email_address` (`email_address`),
  CONSTRAINT `publisher_ibfk_1` FOREIGN KEY (`email_address`) REFERENCES `represe
ntative` (`email_address`)
) ENGINE=InnoDB DEFAULT CHARSET=latin1;
/*!40101 SET character_set_client = @saved_cs_client */;

--
-- Table structure for table `publisher_branch`
--

DROP TABLE IF EXISTS `publisher_branch`;
/*!40101 SET @saved_cs_client     = @@character_set_client */;
/*!40101 SET character_set_client = utf8 */;
CREATE TABLE `publisher_branch` (
  `branch_name` varchar(50) NOT NULL,
  `publisher_number` varchar(10) NOT NULL,
  `telephone_number` varchar(50) DEFAULT NULL,
  `rep_email_address` varchar(50) DEFAULT NULL,
  `province` varchar(50) DEFAULT NULL,
  `address` varchar(50) DEFAULT NULL,
  `postal_code` varchar(50) DEFAULT NULL,
  PRIMARY KEY (`branch_name`,`publisher_number`),
  KEY `publisher_number` (`publisher_number`),
  KEY `rep_email_address` (`rep_email_address`),
  CONSTRAINT `publisher_branch_ibfk_1` FOREIGN KEY (`publisher_number`) REFERENCE
S `publisher` (`publisher_number`),
  CONSTRAINT `publisher_branch_ibfk_2` FOREIGN KEY (`rep_email_address`) REFERENC
ES `representative` (`email_address`)
) ENGINE=InnoDB DEFAULT CHARSET=latin1;
/*!40101 SET character_set_client = @saved_cs_client */;

--
```

```sql
-- Table structure for table `reader_interest`
--

DROP TABLE IF EXISTS `reader_interest`;
/*!40101 SET @saved_cs_client     = @@character_set_client */;
/*!40101 SET character_set_client = utf8 */;
CREATE TABLE `reader_interest` (
  `category_name` varchar(50) NOT NULL,
  `interest_description` varchar(200) DEFAULT NULL,
  `bs_id` varchar(10) NOT NULL,
  PRIMARY KEY (`category_name`),
  KEY `bs_id` (`bs_id`),
  CONSTRAINT `reader_interest_ibfk_1` FOREIGN KEY (`bs_id`) REFERENCES `bookstore
` (`bs_id`)
) ENGINE=InnoDB DEFAULT CHARSET=latin1;
/*!40101 SET character_set_client = @saved_cs_client */;


--
-- Table structure for table `representative`
--

DROP TABLE IF EXISTS `representative`;
/*!40101 SET @saved_cs_client     = @@character_set_client */;
/*!40101 SET character_set_client = utf8 */;
CREATE TABLE `representative` (
  `email_address` varchar(50) NOT NULL,
  `representative_name` varchar(50) DEFAULT NULL,
  PRIMARY KEY (`email_address`)
) ENGINE=InnoDB DEFAULT CHARSET=latin1;
/*!40101 SET character_set_client = @saved_cs_client */;


--
-- Table structure for table `sale_to`
--

DROP TABLE IF EXISTS `sale_to`;
/*!40101 SET @saved_cs_client     = @@character_set_client */;
/*!40101 SET character_set_client = utf8 */;
CREATE TABLE `sale_to` (
  `ISBN` varchar(50) NOT NULL,
  `cid` varchar(10) NOT NULL ,
  `Transaction_id` varchar(10) NOT NULL,
  `Quantity` int(11) DEFAULT NULL,
  `Order_date` date DEFAULT NULL,
  PRIMARY KEY (`ISBN`,`cid`,`Transaction_id`),
```

```sql
  KEY `cid` (`cid`),
  CONSTRAINT `sale_to_ibfk_1` FOREIGN KEY (`ISBN`) REFERENCES `book` (`ISBN`),
  CONSTRAINT `sale_to_ibfk_2` FOREIGN KEY (`cid`) REFERENCES `customer` (`cid`)
) ENGINE=InnoDB DEFAULT CHARSET=latin1;
/*!40101 SET character_set_client = @saved_cs_client */;


--
-- Table structure for table `special_order`
--

DROP TABLE IF EXISTS `special_order`;
/*!40101 SET @saved_cs_client     = @@character_set_client */;
/*!40101 SET character_set_client = utf8 */;
CREATE TABLE `special_order` (
  `order_id` varchar(10) NOT NULL,
  `order_date` date DEFAULT NULL,
  `Quantity` int(11) DEFAULT NULL,
  `cid` varchar(10) NOT NULL,
  `branch_name` varchar(50) NOT NULL,
  `publisher_number` varchar(10) NOT NULL,
  `ISBN` varchar(50) NOT NULL,
  PRIMARY KEY (`order_id`),
  CONSTRAINT `special_order_ibfk_1` FOREIGN KEY (`cid`) REFERENCES `customer` (`c
id`),
  CONSTRAINT `special_order_ibfk_2` FOREIGN KEY (`branch_name`,`publisher_number`
) REFERENCES `publisher_branch`(`branch_name`,`publisher_number`),
  CONSTRAINT `special_order_ibfk_3` FOREIGN KEY (`ISBN`) REFERENCES `book`(`ISBN`
)
) ENGINE=InnoDB DEFAULT CHARSET=latin1;
/*!40101 SET character_set_client = @saved_cs_client */;


--
-- Table structure for table `stores`
--

DROP TABLE IF EXISTS `stores`;
/*!40101 SET @saved_cs_client     = @@character_set_client */;
/*!40101 SET character_set_client = utf8 */;
CREATE TABLE `stores` (
  `ISBN` varchar(50) NOT NULL,
  `bs_id` varchar(10) NOT NULL,
  `Quantity_on_hand` int(11) DEFAULT NULL,
  PRIMARY KEY (`ISBN`,`bs_id`),
  KEY `bs_id` (`bs_id`),
```

```sql
  CONSTRAINT `stores_ibfk_1` FOREIGN KEY (`bs_id`) REFERENCES `bookstore` (`bs_id`),
  CONSTRAINT `stores_ibfk_2` FOREIGN KEY (`ISBN`) REFERENCES `book` (`ISBN`)
) ENGINE=InnoDB DEFAULT CHARSET=latin1;
/*!40101 SET character_set_client = @saved_cs_client */;

--
-- Table structure for table `written_by`
--

DROP TABLE IF EXISTS `written_by`;
/*!40101 SET @saved_cs_client     = @@character_set_client */;
/*!40101 SET character_set_client = utf8 */;
CREATE TABLE `written_by` (
  `ISBN` varchar(50) NOT NULL,
  `email` varchar(50) NOT NULL,
  PRIMARY KEY (`ISBN`,`email`),
  KEY `email` (`email`),
  CONSTRAINT `written_by_ibfk_1` FOREIGN KEY (`ISBN`) REFERENCES `book` (`ISBN`),
  CONSTRAINT `written_by_ibfk_2` FOREIGN KEY (`email`) REFERENCES `author` (`email`)
) ENGINE=InnoDB DEFAULT CHARSET=latin1;
/*!40101 SET character_set_client = @saved_cs_client */;
/*!40103 SET TIME_ZONE=@OLD_TIME_ZONE */;

/*!40101 SET SQL_MODE=@OLD_SQL_MODE */;
/*!40014 SET FOREIGN_KEY_CHECKS=@OLD_FOREIGN_KEY_CHECKS */;
/*!40014 SET UNIQUE_CHECKS=@OLD_UNIQUE_CHECKS */;
/*!40101 SET CHARACTER_SET_CLIENT=@OLD_CHARACTER_SET_CLIENT */;
/*!40101 SET CHARACTER_SET_RESULTS=@OLD_CHARACTER_SET_RESULTS */;
/*!40101 SET COLLATION_CONNECTION=@OLD_COLLATION_CONNECTION */;
/*!40111 SET SQL_NOTES=@OLD_SQL_NOTES */;

-- Dump completed on 2020-07-15  3:03:47
```

Part 2.

/*Note: for better readability a sql file 'queries.sql' is attached*/

```sql
/*i. Get details of all books in stock ordered by year-to-date-qty-
sold in descending order.*/
select b.isbn,a.author_name,b.title,b.book_subject,b.selling_price,s.quantity_on_
hand,detail.quantity_sold
from book b, written_by wb, author a, stores s,
(select st.isbn, count(*) as quantity_sold
from sale_to st
group by isbn) detail
where b.isbn=detail.isbn and b.isbn=wb.isbn and wb.email=a.email and b.isbn = s.i
sbn
order by quantity_sold desc;

/*ii. Get details of all back orders for a given publisher.*/
select bo.order_id, o.order_date, bo.isbn,bo.qty,off.branch_name
from orders o, order_from off, book_order bo
where o.order_id =  bo.order_id and bo.order_id = off.order_id and bo.arrival_dat
e is null and publisher_number = "p1";

/*iii. For a given customer, get details of all his/her special orders.*/
select c.first_name,so.order_id,so.order_date,so.quantity,so.ISBN,so.branch_name,
so.publisher_number
from customer c, special_order so
where c.cid=so.cid and c.cid='c1';

/*iv. For a given customer, get details of all his/her purchases made during a
specific period of time from a given branch.*/
select c.cid, c.first_name, st.transaction_id, st.quantity, st.order_date, b.titl
e, b.isbn, b.selling_price, b.book_subject
from customer c, sale_to st, book b
where  c.cid = st.cid and st.isbn = b.isbn and st.order_date between '2020-02-
02' and '2020-09-09' and c.cid='c1';

/*v. Give a report of sales during a specific period of time for a given branch.*
/
select bo.isbn as book_sold, sum(bo.qty) as quantity_sold, sum(bo.cost_price*bo.q
ty) as total_sales
from order_from off, book_order bo, orders o
where off.order_id = bo.order_id and off.branch_name='b1' and off.order_id= o.ord
er_id
    and o.order_date >= DATE("2019-01-01")
    and o.order_date <= DATE("2020-07-01")
group by bo.isbn;
```

```sql
/*vi. Find the title and name of publisher of book(s) that have the highest backo
rder.*/
select off.publisher_number,p.company_name,back_order.isbn,b.title, max(quantity)
 as back_order_quantity
from order_from off, publisher p, book b,
(select bo.isbn,bo.order_id, sum(bo.qty) as quantity
from book_order bo
where arrival_date is null
group by bo.isbn) as back_order
where off.order_id=back_order.order_id and off.publisher_number=p.publisher_numbe
r and back_order.isbn = b.isbn;

/*vii. Give details of books that are supplied by a given publisher ordered by
their sale price in increasing order.*/
select b.title, b.isbn, b.selling_price, b.book_subject, a.author_name, b.selling
_price
from book b, author a, written_by wb
where b.publisher_number="p3" and b.isbn = wb.isbn and wb.email = a.email
order by b.selling_price;

/*viii. For all publishers who have at least three branches, get details of the h
ead
office and all the branches for those publishers.*/
select pub2.publisher_number, pub2.head_address, pub2.head_number, pub2.head_comp
any_name, pub2.head_city, pub2.head_postal, pub2.head_province, pub2.head_email,
pub2.head_website,
b.branch_name,b.postal_code,b.address,b.province,b.telephone_number
from publisher_branch b,
(select pub.publisher_number,p.address as head_address, p.telephone_number as hea
d_number, p.company_name as head_company_name, p.city as head_city, p.postal_code
 as head_postal, p.province as head_province, p.email_address as head_email,p.web
site as head_website
from publisher p,
(select pb.publisher_number, count(*) as branch_number
from  publisher_branch pb
group by pb.publisher_number
having branch_number >=3) as pub
where p.publisher_number = pub.publisher_number) as pub2
where pub2.publisher_number=b.publisher_number;

/*ix. Get details of books that are in the inventory for at least one year but th
ere
have never been a purchase for that specific book.*/
```

```sql
select bo.isbn, b.title, b.selling_price,b.book_subject,s.quantity_on_hand,a.auth
or_name
from book_order bo, stores s, book b, written_by wb, author a
where bo.isbn not in(select st.isbn
from sale_to st
where st.order_date between '2019-07-17' and '2020-07-17')
and bo.isbn=s.isbn and bo.arrival_date < '2019-07-
17' and bo.isbn = b.isbn and b.isbn=wb.isbn and wb.email=a.email;

/*x. Get details of all books that are in the inventory for a given author.*/
select b.title, b.isbn, b.selling_price, b.book_subject, s.quantity_on_hand, a.au
thor_name
from book b, author a,written_by bi, stores s
where b.isbn=bi.isbn and bi.email = a.email and bi.isbn = s.isbn and a.email="pke
nnally8@engadget.com";
```

Part 3.

/*Note: for better readability, a sql file 'tuples.sql' is attached*/

```sql
SET FOREIGN_KEY_CHECKS=1;
/*author*/
insert into author (author_name, email) values ('Row Havill', 'kedmonstone0@rambl
er.ru');
insert into author (author_name, email) values ('Upton Southerton', 'rbickerdike1
@aol.com');
insert into author (author_name, email) values ('Nadine Rubinfajn', 'ebruyns2@lin
kedin.com');
insert into author (author_name, email) values ('Germain Byrd', 'gflacknell3@t-
online.de');
insert into author (author_name, email) values ('Kirby Micka', 'emaple4@geocities
.jp');
insert into author (author_name, email) values ('Kennan Dunkerton', 'wbale5@de.vu
');
insert into author (author_name, email) values ('Feliks Casperri', 'agoldson6@mar
riott.com');
insert into author (author_name, email) values ('Hamnet Ebbins', 'nnovak7@berkele
y.edu');
insert into author (author_name, email) values ('Junia Gillow', 'pkennally8@engad
get.com');
insert into author (author_name, email) values ('Jacqueline Duer', 'jismail9@fda.
gov');
```

```sql
/*bookstore*/
insert into bookstore (bs_id, phone_number, address, bookstore_name) values ('bs1
', '170-792-1904', '24806 Golden Leaf Parkway', 'betterbook');

/*customer*/
insert into customer (cid, first_name, last_name, company_name, telephone_number,
 address, province, postal_code, city, email) values ("c1", 'Priscilla', 'todor',
 null, '294-600-
9853', '95940 Aberg Alley', 'quebec', 'H3H2C3', 'Starobin', 'ptodor0@sciencedirec
t.com');
insert into customer (cid, first_name, last_name, company_name, telephone_number,
 address, province, postal_code, city, email) values ("c2", 'Corrina', 'Embury',
null, '278-466-
7843', '3 Kensington Point', 'quebec', 'H3G2C3', 'Montbéliard', 'cembury1@nature.
com');
insert into customer (cid, first_name, last_name, company_name, telephone_number,
 address, province, postal_code, city, email) values ("c3", 'Aguistin', 'Wessel',
 null, '249-511-
5222', '91 Lake View Park', 'ontario', 'G3G2C3', 'Halden', 'awessel2@java.com');
insert into customer (cid, first_name, last_name, company_name, telephone_number,
 address, province, postal_code, city, email) values ("c4", 'Stephana', 'Cavil',
null, '614-553-
4903', '90913 Mesta Court', 'quebec', 'G3U2C3', 'Ondoy', 'scavil3@360.cn');
insert into customer (cid, first_name, last_name, company_name, telephone_number,
 address, province, postal_code, city, email) values ("c5", 'Rouvin', 'Weeke', nu
ll, '720-405-
0928', '4102 Karstens Center', 'ontario', 'G3P2C3', 'Przeworsk', 'rweeke4@nyu.edu
');
insert into customer (cid, first_name, last_name, company_name, telephone_number,
 address, province, postal_code, city, email) values ("c6", 'Annabal', 'Ducket',
null, '240-322-
1222', '492 Shasta Center', 'ontario', 'G3G4C3', 'Kousséri', 'aducket5@dyndns.org
');
insert into customer (cid, first_name, last_name, company_name, telephone_number,
 address, province, postal_code, city, email) values ("c7", 'Fifi', 'Aspey', null
, '571-821-
0822', '9 Tennessee Way', 'quebec', 'G3G1C3', 'Eldama Ravine', 'faspey6@gmpg.org'
);
insert into customer (cid, first_name, last_name, company_name, telephone_number,
 address, province, postal_code, city, email) values ("c8", 'Trenna', 'Lammerding
', null, '333-468-
4652', '7857 Forest Run Circle', 'ontario', 'H3G2C3', 'Watulimo', 'tlammerding7@b
izjournals.com');
insert into customer (cid, first_name, last_name, company_name, telephone_number,
 address, province, postal_code, city, email) values ("c9", 'Hew', 'Cochrane', 'B
```

```sql
ubblebox', '314-942-
0200', '10 Clarendon Crossing', 'ontario', 'C3G2C3', 'Masjid', 'hcochrane8@imgur.
com');
insert into customer (cid, first_name, last_name, company_name, telephone_number,
 address, province, postal_code, city, email) values ("c10", 'Rob', 'Sailes', nul
l, '255-310-
8617', '81727 Loomis Road', 'quebec', 'G3E2C3', 'Xiongzhang', 'rsailes9@topsy.com
');


/*orders*/
insert into orders (order_id, order_date) values ('o1', '2019-11-07');
insert into orders (order_id, order_date) values ('o2', '2020-06-10');
insert into orders (order_id, order_date) values ('o3', '2020-06-05');
insert into orders (order_id, order_date) values ('o4', '2020-01-08');
insert into orders (order_id, order_date) values ('o5', '2020-05-05');
insert into orders (order_id, order_date) values ('o6', '2019-10-15');
insert into orders (order_id, order_date) values ('o7', '2019-12-01');
insert into orders (order_id, order_date) values ('o8', '2020-06-05');
insert into orders (order_id, order_date) values ('o9', '2020-03-04');
insert into orders (order_id, order_date) values ('o10', '2020-07-10');
insert into orders (order_id, order_date) values ('o11', '2019-09-21');
insert into orders (order_id, order_date) values ('o12', '2019-08-20');
insert into orders (order_id, order_date) values ('o13', '2019-06-10');
insert into orders (order_id, order_date) values ('o14', '2019-04-12');
insert into orders (order_id, order_date) values ('o15', '2019-02-15');
insert into orders (order_id, order_date) values ('o16', '2019-05-17');
insert into orders (order_id, order_date) values ('o17', '2019-06-19');

/*reader_interest*/
insert into reader_interest(category_name, bs_id, interest_description) values ("
fantasy", "bs1", "Fantasy is a genre of speculative fiction set in a fictional un
iverse, often inspired by real world myth and folklore.");
insert into reader_interest(category_name, bs_id, interest_description) values ("
adventure", "bs1", "Adventure fiction is a genre of fiction in which an adventure
, an exciting undertaking involving risk and physical danger, forms the main stor
yline.");
insert into reader_interest(category_name, bs_id, interest_description) values ("
romance", "bs1", "A romance novel or romantic novel is a type of novel and genre
fiction which places its primary focus on the relationship and romantic love betw
een two people");
insert into reader_interest(category_name, bs_id, interest_description) values ("
mystery", "bs1", "Mystery fiction is a genre of fiction usually involving a myste
rious death or a crime to be solved.");
```

```sql
insert into reader_interest(category_name, bs_id, interest_description) values ("
horror", "bs1", "Horror is a genre of speculative fiction which is intended to fr
ighten, scare, disgust, or startle its readers by inducing feelings of horror and
 terror.");
insert into reader_interest(category_name, bs_id, interest_description) values ("
thriller", "bs1", "Thrillers are characterized and defined by the moods they elic
it, giving viewers heightened feelings of suspense, excitement, surprise, anticip
ation and anxiety.");
insert into reader_interest(category_name, bs_id, interest_description) values ("
travel", "bs1", "Books in the travel nonfiction genre are about places and destin
ations one might want to visit during their travels.");
insert into reader_interest(category_name, bs_id, interest_description) values ("
health", "bs1", "Books in the health nonfiction genre are about the health and fu
nction of the human body.");
insert into reader_interest(category_name, bs_id, interest_description) values ("
motivational", "bs1", "Books in the inspirational fiction genre contain stories o
f people who overcome adversity or reach new levels of understanding that inspire
 and encourage the reader to do the same.");
insert into reader_interest(category_name, bs_id, interest_description) values ("
guide/how to", "bs1", "Books in this category explain how to get specific things
done in an efficient and correct way.");

/*representative*/
insert into representative (email_address, representative_name) values ('mhise0@m
su.edu','mohamed');
insert into representative (email_address, representative_name) values ( 'lsteels
1@spotify.com','amr' );
insert into representative (email_address, representative_name) values ( 'ccopest
ake2@walmart.com','yas');
insert into representative (email_address, representative_name) values ( 'scurley
3@kickstarter.com','roby');
insert into representative (email_address, representative_name) values ('dsylvain
e4@csmonitor.com','john');
insert into representative (email_address, representative_name) values ( 'aormrod
5@friendfeed.com','cat');
insert into representative (email_address, representative_name) values ( 'pwhyatt
6@plala.or.jp','sara');
insert into representative (email_address, representative_name) values ( 'athrift
7@deviantart.com','jas');
insert into representative (email_address, representative_name) values ('astennet
t8@phpbb.com','yas');
insert into representative (email_address, representative_name) values ('rbirdis9
@weather.com','bob');
insert into representative (email_address, representative_name) values ('gmuir0@e
-recht24.de','bobby');
```

```sql
insert into representative (email_address, representative_name) values ( 'mgreens
ides1@sohu.com','hefny' );
insert into representative (email_address, representative_name) values ( 'apiolli
2@oakley.com','carle');
insert into representative (email_address, representative_name) values ( 'mrunnet
t3@e-recht24.de','carly');
insert into representative (email_address, representative_name) values ('vedbrook
e4@nps.gov','noha');
insert into representative (email_address, representative_name) values ( 'dpinnoc
ke5@nhs.uk','tara');
insert into representative (email_address, representative_name) values ( 'msimmge
n6@google.com','bortol');
insert into representative (email_address, representative_name) values ( 'fkinley
side7@friendfeed.com','mohanad');
insert into representative (email_address, representative_name) values ('rmcmurty
r8@naver.com','jasmine');
insert into representative (email_address, representative_name) values ('tabade9@
reverbnation.com','yasmine');

/*publisher*/
insert into publisher (publisher_number, address, telephone_number, company_name,
 city, postal_code, province, email_address, website) values ('p1', '71 Menomonie
 Circle', '405-470-
3544', 'Dabfeed', 'Oklahoma City', '73135', 'Oklahoma', 'gmuir0@e-
recht24.de', 'www.biqao.com');
insert into publisher (publisher_number, address, telephone_number, company_name,
 city, postal_code, province, email_address, website) values ('p2', '6 Park Meado
w Circle', '212-666-
7532', 'Tanoodle', 'New York City', '10090', 'New York', 'mgreensides1@sohu.com',
 'www.alofl.com');
insert into publisher (publisher_number, address, telephone_number, company_name,
 city, postal_code, province, email_address, website) values ('p3', '2 Lien Park'
, '309-295-
5825', 'Vinder', 'Carol Stream', '60158', 'Illinois', 'apiolli2@oakley.com', 'www
.pbfkm.com');
insert into publisher (publisher_number, address, telephone_number, company_name,
 city, postal_code, province, email_address, website) values ('p4', '35506 Clove
Way', '478-359-5219', 'Yadel', 'Macon', '31210', 'Georgia', 'mrunnett3@e-
recht24.de', 'www.zhsic.com');
insert into publisher (publisher_number, address, telephone_number, company_name,
 city, postal_code, province, email_address, website) values ('p5', '22 Fuller Po
int', '404-151-
1774', 'Rhycero', 'Atlanta', '31132', 'Georgia', 'vedbrooke4@nps.gov', 'www.cfytu
.com');
```

```sql
insert into publisher (publisher_number, address, telephone_number, company_name,
 city, postal_code, province, email_address, website) values ('p6', '79 Di Loreto
 Terrace', '816-412-
9068', 'Eayo', 'Kansas City', '64109', 'Missouri', 'dpinnocke5@nhs.uk', 'www.uviy
a.com');
insert into publisher (publisher_number, address, telephone_number, company_name,
 city, postal_code, province, email_address, website) values ('p7', '49 Waubesa A
lley', '505-326-
2708', 'Yodoo', 'Albuquerque', '87105', 'New Mexico', 'msimmgen6@google.com', 'ww
w.ibpby.com');
insert into publisher (publisher_number, address, telephone_number, company_name,
 city, postal_code, province, email_address, website) values ('p8', '1574 Roxbury
 Road', '515-425-
8942', 'Camimbo', 'Des Moines', '50305', 'Iowa', 'fkinleyside7@friendfeed.com', '
www.orvra.com');
insert into publisher (publisher_number, address, telephone_number, company_name,
 city, postal_code, province, email_address, website) values ('p9', '270 Jay Terr
ace', '414-848-
8492', 'Dynabox', 'Milwaukee', '53263', 'Wisconsin', 'rmcmurtyr8@naver.com', 'www
.kwuox.com');
insert into publisher (publisher_number, address, telephone_number, company_name,
 city, postal_code, province, email_address, website) values ('p10', '71073 Mccor
mick Road', '619-795-
7469', 'Livetube', 'San Diego', '92186', 'California', 'tabade9@reverbnation.com'
, 'www.xrnkq.com');

/*publisher branch*/
insert into publisher_branch (branch_name, publisher_number, telephone_number, re
p_email_address, province, address, postal_code) values ('b1','p1', '819-277-
8936', 'mhise0@msu.edu', 'Garoua Boulaï', '58 Westerfield Court', 'c7S6b1');
insert into publisher_branch (branch_name, publisher_number, telephone_number, re
p_email_address, province, address, postal_code) values ('b2','p1', '329-585-
5963', 'lsteels1@spotify.com', 'Itaqui', '6637 Clove Trail', 'F6o1j2');
insert into publisher_branch (branch_name, publisher_number, telephone_number, re
p_email_address, province, address, postal_code) values ('b3','p1', '626-379-
7430', 'ccopestake2@walmart.com', 'Siedlce', '010 Esker Road', 'V5r8W3');
insert into publisher_branch (branch_name, publisher_number, telephone_number, re
p_email_address, province, address, postal_code) values ('b4','p4', '254-589-
3862', 'scurley3@kickstarter.com', 'Malaruhatan', '1 Northfield Court', 'J0w7v9')
;
insert into publisher_branch (branch_name, publisher_number, telephone_number, re
p_email_address, province, address, postal_code) values ('b5','p5', '737-842-
3513', 'dsylvaine4@csmonitor.com', 'Kibonsod', '8 Eliot Hill', 'S3q9Q5');
insert into publisher_branch (branch_name, publisher_number, telephone_number, re
p_email_address, province, address, postal_code) values ('b6','p6', '194-757-
```

```sql
9650', 'aormrod5@friendfeed.com', 'São Brás de Alportel', '281 Bartillon Avenue',
 'f4t8n8');
insert into publisher_branch (branch_name, publisher_number, telephone_number, re
p_email_address, province, address, postal_code) values ('b7','p7', '838-885-
9802', 'pwhyatt6@plala.or.jp', 'Praia da Vagueira', '2 Logan Court', 'K7V9F8');
insert into publisher_branch (branch_name, publisher_number, telephone_number, re
p_email_address, province, address, postal_code) values ('b8','p8', '322-435-
4367', 'athrift7@deviantart.com', 'Noginsk', '3 Dunning Junction', 'W5j9L3');
insert into publisher_branch (branch_name, publisher_number, telephone_number, re
p_email_address, province, address, postal_code) values ('b9','p9', '307-331-
2906', 'astennett8@phpbb.com', 'Idi Iroko', '46911 Anhalt Circle', 'N5c1M4');
insert into publisher_branch (branch_name, publisher_number, telephone_number, re
p_email_address, province, address, postal_code) values ('b10','p10', '611-720-
7818', 'rbirdis9@weather.com', 'Bryukhovetskaya', '39138 Atwood Street', 'y8d0z1'
);

/*order_from*/
insert into `order_from` (branch_name,publisher_number,order_id) values ('b1', 'p
1', 'o1');
insert into `order_from` (branch_name,publisher_number,order_id) values ('b2', 'p
1', 'o2');
insert into `order_from` (branch_name,publisher_number,order_id) values ('b3', 'p
1', 'o3');
insert into `order_from` (branch_name,publisher_number,order_id) values ('b4', 'p
4', 'o4');
insert into `order_from` (branch_name,publisher_number,order_id) values ('b5', 'p
5', 'o5');
insert into `order_from` (branch_name,publisher_number,order_id) values ('b6', 'p
6', 'o6');
insert into `order_from` (branch_name,publisher_number,order_id) values ('b7', 'p
7', 'o7');
insert into `order_from` (branch_name,publisher_number,order_id) values ('b8', 'p
8', 'o8');
insert into `order_from` (branch_name,publisher_number,order_id) values ('b9', 'p
9', 'o9');
insert into `order_from` (branch_name,publisher_number,order_id) values ('b10', '
p10', 'o10');

/*book*/
insert into book (ISBN, publisher_number, title, book_subject, selling_price ) va
lues ('958599307-4', 'p1', 'Better Than Sex', 'Diomedea irrorata', 78);
insert into book (ISBN, publisher_number, title, book_subject, selling_price ) va
lues ('173127435-1', 'p2', 'Master of Disguise, The', 'Geochelone elegans', 76);
insert into book (ISBN, publisher_number, title, book_subject, selling_price ) va
lues ('240258028-
```

```sql
3', 'p3', 'Old Man Made in Spain (Abuelo made in Spain)', 'Laniarius ferrugineus'
, 52);
insert into book (ISBN, publisher_number, title, book_subject, selling_price ) va
lues ('346111992-X', 'p4', 'Dark City', 'Psittacula krameri', 57);
insert into book (ISBN, publisher_number, title, book_subject, selling_price ) va
lues ('549652903-4', 'p5', 'To the Limit (Am Limit)', 'Varanus salvator', 82);
insert into book (ISBN, publisher_number, title, book_subject, selling_price ) va
lues ('326314786-2', 'p6', 'Spy in Black, The', 'Geochelone elephantopus', 39);
insert into book (ISBN, publisher_number, title, book_subject, selling_price ) va
lues ('698507015-9', 'p7', 'Last Time I Saw Archie, The', 'Gyps fulvus', 52);
insert into book (ISBN, publisher_number, title, book_subject, selling_price ) va
lues ('266608745-X', 'p8', 'Maze, The', 'Castor canadensis', 78);
insert into book (ISBN, publisher_number, title, book_subject, selling_price ) va
lues ('272521287-
1', 'p9', 'A Story of Children and Film', 'Anas bahamensis', 44);
insert into book (ISBN, publisher_number, title, book_subject, selling_price ) va
lues ('205217918-6', 'p10', 'Last Stand, The', 'Mirounga leonina', 89);
insert into book (ISBN, publisher_number, title, book_subject, selling_price ) va
lues ('205242918-6', 'p3', 'Mr. Bean', 'Funny', 89);
insert into book (ISBN, publisher_number, title, book_subject, selling_price) val
ues ('321821287-1', 'p3', 'Mr. white man', 'Funny', 89);

/*book_order*/
insert into `book_order` (order_id,ISBN,qty,arrival_date,cost_price) values ('o1'
, '958599307-4', 308, '2019-11-09',10);
insert into `book_order` (order_id,ISBN,qty,arrival_date,cost_price) values ('o2'
, '958599307-4', 476, null,20);
insert into `book_order` (order_id,ISBN,qty,arrival_date,cost_price) values ('o3'
, '346111992-X', 323, null,30);
insert into `book_order` (order_id,ISBN,qty,arrival_date,cost_price) values ('o4'
, '346111992-X', 137, '2020-01-11',22);
insert into `book_order` (order_id,ISBN,qty,arrival_date,cost_price) values ('o5'
, '205217918-6', 343, '2020-05-09',34);
insert into `book_order` (order_id,ISBN,qty,arrival_date,cost_price) values ('o6'
, '205217918-6', 123, null,32);
insert into `book_order` (order_id,ISBN,qty,arrival_date,cost_price) values ('o7'
, '698507015-9', 107, '2019-12-01',44);
insert into `book_order` (order_id,ISBN,qty,arrival_date,cost_price) values ('o8'
, '698507015-9', 465, null,44);
insert into `book_order` (order_id,ISBN,qty,arrival_date,cost_price) values ('o9'
, '272521287-1', 128, '2020-03-04',55);
insert into `book_order` (order_id,ISBN,qty,arrival_date,cost_price) values ('o10
', '272521287-1', 223, null,66);
insert into `book_order` (order_id,ISBN,qty,arrival_date,cost_price) values ('o11
', '173127435-1', 61, '2019-01-19',77);
```

```sql
insert into `book_order` (order_id,ISBN,qty,arrival_date,cost_price) values ('o12
', '240258028-3', 61, '2019-01-10',32);
insert into `book_order` (order_id,ISBN,qty,arrival_date,cost_price) values ('o13
', '549652903-4', 36, '2019-01-09',42);
insert into `book_order` (order_id,ISBN,qty,arrival_date,cost_price) values ('o14
', '326314786-2', 69, '2019-01-19',12);
insert into `book_order` (order_id,ISBN,qty,arrival_date,cost_price) values ('o15
', '266608745-X', 41, '2019-01-25',34);
insert into `book_order` (order_id,ISBN,qty,arrival_date,cost_price) values ('o17
', '321821287-1', 123, '2019-03-04',23);

/*sale to*/
insert into sale_to (ISBN, cid, transaction_id, quantity, order_date) values ('95
8599307-4', 'c1', 't1', 94, '2020-06-05');
insert into sale_to (ISBN, cid, transaction_id, quantity, order_date) values ('27
2521287-1', 'c2', 't2', 56, '2020-05-04');
insert into sale_to (ISBN, cid, transaction_id, quantity, order_date) values ('34
6111992-X', 'c3', 't3', 55, '2020-05-08');
insert into sale_to (ISBN, cid, transaction_id, quantity, order_date) values ('20
5217918-6', 'c4', 't4', 31, '2020-01-02');
insert into sale_to (ISBN, cid, transaction_id, quantity, order_date) values ('95
8599307-4', 'c5', 't5', 38, '2020-06-07');
insert into sale_to (ISBN, cid, transaction_id, quantity, order_date) values ('95
8599307-4', 'c6', 't6', 16, '2020-01-03');
insert into sale_to (ISBN, cid, transaction_id, quantity, order_date) values ('20
5217918-6', 'c7', 't7', 3, '2020-01-05');
insert into sale_to (ISBN, cid, transaction_id, quantity, order_date) values ('95
8599307-4', 'c8', 't8', 61, '2020-02-08');
insert into sale_to (ISBN, cid, transaction_id, quantity, order_date) values ('69
8507015-9', 'c9', 't9', 86, '2020-01-09');
insert into sale_to (ISBN, cid, transaction_id, quantity, order_date) values ('20
5217918-6', 'c10', 't10', 24, '2020-01-08');

/*special order*/
insert into special_order (order_id, order_date, Quantity, cid, branch_name, publ
isher_number, ISBN) values ('so1', '2020-4-3', 5, 'c1','b1','p1','958599307-4');
insert into special_order (order_id, order_date, Quantity, cid, branch_name, publ
isher_number, ISBN) values ('so2', '2020-2-4', 2, 'c4','b2','p1','173127435-1');
insert into special_order (order_id, order_date, Quantity, cid, branch_name, publ
isher_number, ISBN) values ('so3', '2020-1-3', 3, 'c3','b3','p1','240258028-3');
insert into special_order (order_id, order_date, Quantity, cid, branch_name, publ
isher_number, ISBN) values ('so4', '2020-5-3', 2, 'c2','b4','p4','346111992-X');
insert into special_order (order_id, order_date, Quantity, cid, branch_name, publ
isher_number, ISBN) values ('so5', '2020-6-3', 3, 'c7','b5','p5','549652903-4');
```

```sql
insert into special_order (order_id, order_date, Quantity, cid, branch_name, publ
isher_number, ISBN) values ('so6', '2020-7-3', 5, 'c6','b6','p6','326314786-2');
insert into special_order (order_id, order_date, Quantity, cid, branch_name, publ
isher_number, ISBN) values ('so7', '2020-8-3', 2, 'c5','b7','p7','698507015-9');
insert into special_order (order_id, order_date, Quantity, cid, branch_name, publ
isher_number, ISBN) values ('so8', '2020-9-3', 4, 'c8','b8','p8','266608745-X');
insert into special_order (order_id, order_date, Quantity, cid, branch_name, publ
isher_number, ISBN) values ('so9', '2020-10-3', 3, 'c9','b9','p9','272521287-1');
insert into special_order (order_id, order_date, Quantity, cid, branch_name, publ
isher_number, ISBN) values ('so10', '2020-4-1', 4, 'c10','b10','p10','205217918-
6');

/*store*/
insert into stores (isbn, quantity_on_hand, bs_id) values ('958599307-
4', 99, 'bs1');
insert into stores (isbn, quantity_on_hand, bs_id) values ('173127435-
1', 61, 'bs1');
insert into stores (isbn, quantity_on_hand, bs_id) values ('240258028-
3', 61, 'bs1');
insert into stores (isbn, quantity_on_hand, bs_id) values ('346111992-
X', 82, 'bs1');
insert into stores (isbn, quantity_on_hand, bs_id) values ('549652903-
4', 36, 'bs1');
insert into stores (isbn, quantity_on_hand, bs_id) values ('326314786-
2', 69, 'bs1');
insert into stores (isbn, quantity_on_hand, bs_id) values ('698507015-
9', 21, 'bs1');
insert into stores (isbn, quantity_on_hand, bs_id) values ('266608745-
X', 41, 'bs1');
insert into stores (isbn, quantity_on_hand, bs_id) values ('272521287-
1', 72, 'bs1');
insert into stores (isbn, quantity_on_hand, bs_id) values ('205217918-
6', 27, 'bs1');
insert into stores (isbn, quantity_on_hand, bs_id) values ('205242918-
6', 17, 'bs1');
insert into stores (isbn, quantity_on_hand, bs_id) values ('321821287-
1', 123, 'bs1');

/*written_by*/
insert into written_by (ISBN, email) values ('958599307-
4', 'kedmonstone0@rambler.ru');
insert into written_by (ISBN, email) values ('173127435-
1', 'rbickerdike1@aol.com');
insert into written_by (ISBN, email) values ('240258028-
3', 'ebruyns2@linkedin.com');
```

```sql
insert into written_by (ISBN, email) values ('346111992-X', 'gflacknell3@t-
online.de');
insert into written_by (ISBN, email) values ('549652903-
4', 'emaple4@geocities.jp');
insert into written_by (ISBN, email) values ('326314786-2', 'wbale5@de.vu');
insert into written_by (ISBN, email) values ('698507015-
9', 'agoldson6@marriott.com');
insert into written_by (ISBN, email) values ('266608745-
X', 'nnovak7@berkeley.edu');
insert into written_by (ISBN, email) values ('272521287-
1', 'pkennally8@engadget.com');
insert into written_by (ISBN, email) values ('205217918-6', 'jismail9@fda.gov');
insert into written_by (ISBN, email) values ('205242918-6', 'gflacknell3@t-
online.de');
insert into written_by (ISBN, email) values ('321821287-1', 'wbale5@de.vu');

/*interested_in*/
insert into interested_in (cid, category_name) values ("c1", "fantasy");
insert into interested_in (cid, category_name) values ("c2", "adventure");
insert into interested_in (cid, category_name) values ("c3", "mystery");
insert into interested_in (cid, category_name) values ("c4", "horror");
insert into interested_in (cid, category_name) values ("c5", "thriller");
insert into interested_in (cid, category_name) values ("c6", "travel");
insert into interested_in (cid, category_name) values ("c7", "health");
insert into interested_in (cid, category_name) values ("c8", "motivational");
insert into interested_in (cid, category_name) values ("c9", "guide/how to");
insert into interested_in (cid, category_name) values ("c10", "adventure");
```

Part 4.

SELECT COUNT(*) FROM author;

	COUNT(*)
▶	10

SELECT COUNT(*) FROM bookstore;

	COUNT(*)
▶	1

Note: it is only one because the professor has informed us to consider only one bookstore

SELECT COUNT(*) FROM book;

	COUNT(*)
▶	12

SELECT COUNT(*) FROM book_order;

	COUNT(*)
▶	16

SELECT COUNT(*) FROM customer;

	COUNT(*)
▶	10

SELECT COUNT(*) FROM interested_in;

	COUNT(*)
▶	10

SELECT COUNT(*) FROM order_from;

	COUNT(*)
▶	10

SELECT COUNT(*) FROM orders;

	COUNT(*)
▶	17

SELECT COUNT(*) FROM publisher;

	COUNT(*)
▶	10

SELECT COUNT(*) FROM publisher_branch;

	COUNT(*)
▶	10

SELECT COUNT(*) FROM reader_interest;

	COUNT(*)
▶	10

SELECT COUNT(*) FROM representative;

	COUNT(*)
▶	20

SELECT COUNT(*) FROM sale_to;

	COUNT(*)
▶	10

SELECT COUNT(*) FROM special_order;

	COUNT(*)
▶	10

SELECT COUNT(*) FROM stores;

	COUNT(*)
▶	12

SELECT COUNT(*) FROM written_by;

	COUNT(*)
▶	12