

```
// DDL Commands for Creating Databases
```

```
create database CS422Project;
grant all privileges on CS422Project.* to 'CS422Project'@'localhost'
identified by 'abcd' with grant option;
flush privileges;
```

---

```
use CS422Project;
```

```
CREATE TABLE IF NOT EXISTS `lib_branches` (
  `branch_id` int(20) NOT NULL DEFAULT '0',
  `branch_name` varchar(30) DEFAULT NULL,
  PRIMARY KEY (`branch_id`)
) ENGINE=InnoDB DEFAULT CHARSET=latin1;
```

```
CREATE TABLE IF NOT EXISTS `borrowers` (
  `card_id` int(15) NOT NULL,
  `name` varchar(30) NOT NULL,
  `gender` varchar(10) NOT NULL,
  `bor_type` varchar(50) NOT NULL,
  `department` varchar(150) NOT NULL,
  `email` varchar(150) NOT NULL,
  `birthdate` date NOT NULL,
  PRIMARY KEY (`card_id`)
) ENGINE=InnoDB DEFAULT CHARSET=latin1;
```

```
CREATE TABLE IF NOT EXISTS `books` (
  `book_id` int(11) NOT NULL,
```

```
`name` varchar(100) NOT NULL,  
`author` varchar(100) NOT NULL,  
`book_type` varchar(100) NOT NULL,  
`isbn` varchar(50) NOT NULL,  
`catalog_no` varchar(50) NOT NULL,  
`publishpress` varchar(100) NOT NULL,  
`total_words` varchar(50) NOT NULL,  
`price` varchar(50) NOT NULL,  
`descri` varchar(230) NOT NULL,  
`publish_date` date NOT NULL,  
`Regis_date` date NOT NULL,  
`Is_new` tinyint(1) NOT NULL,  
`branch_id` int(20) NOT NULL,  
PRIMARY KEY (`book_id`),  
FOREIGN KEY (branch_id) REFERENCES lib_branches(branch_id)  
) ENGINE=InnoDB DEFAULT CHARSET=latin1;
```

```
CREATE TABLE IF NOT EXISTS `book_limitation` (  
`borrower_type` varchar(50) NOT NULL,  
`book_type` varchar(50) NOT NULL,  
`no_of_books` varchar(50) NOT NULL,  
`loan_period` varchar(50) NOT NULL,  
`extention_time` varchar(50) NOT NULL,  
`extention_days` varchar(50) NOT NULL  
) ENGINE=InnoDB DEFAULT CHARSET=latin1;
```

```
CREATE TABLE IF NOT EXISTS `users` (
    `username` int(20) NOT NULL,
    `password` varchar(50) NOT NULL,
    `user_type` varchar(50) NOT NULL,
    PRIMARY KEY (`username`),
    FOREIGN KEY (username) REFERENCES borrowers(card_id)
) ENGINE=InnoDB DEFAULT CHARSET=latin1;
```

```
CREATE TABLE IF NOT EXISTS `book_loans` (
    `card_id` int(20) NOT NULL,
    `book_id` int(20) NOT NULL,
    `branch_id` int(20) NOT NULL,
    `due_date` date NOT NULL,
    `checkout_date` date NOT NULL,
    `loan_type` varchar(50) NOT NULL,
    `fine_amount` double NOT NULL,
    `renew_status` tinyint(1) NOT NULL,
    PRIMARY KEY (card_id,book_id,branch_id),
    FOREIGN KEY (card_id) REFERENCES borrowers(card_id),
    FOREIGN KEY (book_id) REFERENCES books(book_id),
    FOREIGN KEY (branch_id) REFERENCES lib_branches(branch_id)
) ENGINE=InnoDB DEFAULT CHARSET=latin1;
```

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```
INSERT INTO `CS422Project`.`lib_branches` (`branch_id`, `branch_name`) VALUES ('1', 'Branch A'), ('2', 'Branch B'), ('3', 'Branch C');

INSERT INTO `CS422Project`.`borrowers` (`card_id`, `name`, `gender`, `bor_type`, `department`, `email`, `birthdate`) VALUES

('304470392', 'Rajnish', 'male', 'Graduate Student', 'Computer Science', 'Rajnish929@gmail.com',
STR_TO_DATE( '2/21/1991', '%m/%d/%Y' )),

('304384878', 'Sandeep', 'male', 'Graduate Student', 'Mechanical', 'ishan929p@gmail.com',
STR_TO_DATE( '11/24/1991', '%m/%d/%Y' )),

('101202505', 'Hiren', 'male', 'Graduate Student', 'Computer Science', 'kunal138pat@gmail.com',
STR_TO_DATE( '8/13/1992', '%m/%d/%Y' )),

('201548654', 'Parth', 'male', 'Graduate Student', 'Electric Engineering', 'dontworry929@gmail.com',
STR_TO_DATE( '3/23/1992', '%m/%d/%Y' )),

('302569584', 'Jaynav', 'male', 'Graduate Student', 'Electric Engineering', 'jaynav185@gmail.com',
STR_TO_DATE( '9/15/1993', '%m/%d/%Y' )),

('205968745', 'Prem', 'male', 'Vocational Student', 'Mechanical', 'prem4515@yahoo.com',
STR_TO_DATE( '10/12/1993', '%m/%d/%Y' )),

('302659632', 'Vishakha', 'female', 'Undergraduate Student', 'Commerce', 'vish4u@gmail.com',
STR_TO_DATE( '1/16/1992', '%m/%d/%Y' )),

('306985123', 'Mihika Mody', 'female', 'Undergraduate Student', 'Arts', 'mihika143@gmail.com',
STR_TO_DATE( '2/26/1989', '%m/%d/%Y' )),

('201523624', 'Kinjal', 'female', 'Vocational Student', 'Civil', 'kinjal@gmail.com', STR_TO_DATE(
'9/14/1992', '%m/%d/%Y' )),

('401985698', 'Jia', 'female', 'Graduate Student', 'Computer Science', 'jia@gmail.com', STR_TO_DATE(
'2/10/1986', '%m/%d/%Y' )),

('302548596', 'Shivangi', 'female', 'Faculty', 'Civil', 'shivangi@gmail.com', STR_TO_DATE( '9/21/1985',
'%m/%d/%Y' )),

('306958742', 'Riya', 'female', 'Vocational Student', 'Computer Science', 'riya@gmail.com',
STR_TO_DATE( '8/13/1990', '%m/%d/%Y' )),

('301236548', 'Pooja', 'female', 'Faculty', 'Computer Science', 'pooja@gmail.com', STR_TO_DATE(
'4/21/1981', '%m/%d/%Y' )),

('201326598', 'Manshree', 'female', 'Graduate Student', 'Computer Science', 'manshree@gmail.com',
STR_TO_DATE( '12/21/1986', '%m/%d/%Y' )),

('302659847', 'Ajay Devgan', 'male', 'Graduate Student', 'Civil', 'singhamandrohit@gmail.com',
STR_TO_DATE( '1/1/1979', '%m/%d/%Y' )),
```

```
('365987459', 'Himil', 'male', 'Staff', 'Computer Science', 'Himil@gmail.com', STR_TO_DATE( '2/21/1961', '%m/%d/%Y ')),  
(`306595412`, 'Sunny', 'male', 'Graduate Student', 'Computer Science', 'sunny@gmail.com',  
STR_TO_DATE( '3/31/1961', '%m/%d/%Y ')),  
(`306985214`, 'Manish', 'male', 'Vocational Student', 'Civil', 'mani@gmail.com', STR_TO_DATE(  
'12/21/1981', '%m/%d/%Y ')),  
(`396363636`, 'Vatsal', 'male', 'Staff', 'Computer Science', 'vats@gmail.com', STR_TO_DATE( '9/15/1971',  
'%m/%d/%Y '));
```

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```
INSERT INTO `CS422Project`.`books` (`book_id`, `name`, `author`, `book_type`, `isbn`, `catalog_no`,  
 `publishpress`, `total_words`, `price`, `descri`, `publish_date`, `Regis_date`, `Is_new`, `branch_id`)  
VALUES ('50', 'Applied Microsoft SQL Server 2008 Reporting Services (2008)', 'Teo Lachev', 'English',  
 '0399501005', 'csula-01-01-S050', 'Meboo', '1.5 million', '110', 'Optimization is the science of making a  
best choice in the face of conflicting requirements.', '2015-03-01', '2015-03-04', '1', '1');
```

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```
INSERT INTO `CS422Project`.`books` (`book_id`, `name`, `author`, `book_type`, `isbn`, `catalog_no`,  
 `publishpress`, `total_words`, `price`, `descri`, `publish_date`, `Regis_date`, `Is_new`, `branch_id`)  
VALUES ('51', 'Professional SQL Server 2012 Internals and Troubleshooting (2012)', 'Christian ', 'foreign',  
 '0399501003', 'csula-01-01-N020', 'Technical', '0.8 million', '200', 'Professional SQL Server 2012 Internals  
and Troubleshooting (2012)', '2014-04-01', '2014-04-15', '0', '2'), ('52', 'Convex Optimization', ' Rob  
Farley', 'foreign', '0399501004', 'csula-01-01-S001', 'Microsoft', '1 millions', '220', 'onvex minimization, a  
subfield of optimization, studies the problem of minimizing convex functions over convex sets.', '2014-  
08-06', '2014-08-31', '0', '2');
```

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```
INSERT INTO `CS422Project`.`books` (`book_id`, `name`, `author`, `book_type`, `isbn`, `catalog_no`,  
 `publishpress`, `total_words`, `price`, `descri`, `publish_date`,  
 `Regis_date`, `Is_new`, `branch_id`) VALUES ('53', 'Professional SQL Server 2012 Internals and  
Troubleshooting (2012)', 'Christian ', 'foreign', '0399501003',  
 'csula-01-01-N003', 'Technical', '0.8 million', '200', 'Professional SQL Server 2012 Internals and  
Troubleshooting (2012)', '2014-04-01', '2014-04-15', '0', '1'),  
(`54`, 'Convex Optimization', ' Rob Farley', 'foreign', '0399501004', 'csula-01-01-S001', 'Microsoft', '1  
millions', '220', 'onvex minimization, a subfield of  
optimization, studies the problem of minimizing convex functions over convex sets.', '2014-08-06',  
 '2014-08-31', '0', '2');
```

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```
INSERT INTO `CS422Project`.`books` (`book_id`, `name`, `author`, `book_type`, `isbn`, `catalog_no`,  
`publishpress`, `total_words`, `price`, `descri`, `publish_date`,  
`Regis_date`, `Is_new`, `branch_id`) VALUES ('55', 'Applied Microsoft SQL Server 2008 Reporting Services  
(2008)', 'Teo Lachev', 'English', '0399501005', 'csula-01-01  
-S002', 'Meboo', '1.5 million', '110', 'Optimization is the science of making a best choice in the face of  
conflicting requirements.', '2015-03-01', '2015-03-04',  
'1', '3');
```

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```
INSERT INTO `CS422Project`.`books` (`book_id`, `name`, `author`, `book_type`, `isbn`, `catalog_no`,  
`publishpress`, `total_words`, `price`, `descri`, `publish_date`,  
`Regis_date`, `Is_new`, `branch_id`) VALUES ('56', 'Securing SQL Server 2nd Edition (2012)', 'Christian ',  
'foreign', '0399501005', 'csula-01-01-N005', 'Technical', '0.8 million', '200', 'Professional SQL Server 2012 Internals and  
Troubleshooting (2012)', '2014-04-01', '2014-04-15', '0', '2'),  
('57', 'Securing SQL Server 2nd Edition (2012)', ' Rob Farley', 'foreign', '0399501004', 'csula-01-01-S001',  
'Microsoft', '1 millions', '220', 'onvex minimization, a subfield of  
optimization, studies the problem of minimizing convex functions over convex sets.', '2014-08-06',  
'2014-08-31', '0', '3');
```

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```
INSERT INTO `CS422Project`.`books` (`book_id`, `name`, `author`, `book_type`, `isbn`, `catalog_no`,  
`publishpress`, `total_words`, `price`, `descri`, `publish_date`,  
`Regis_date`, `Is_new`, `branch_id`) VALUES ('58', 'Securing SQL Server 2nd Edition (2012)', 'Christian ',  
'foreign', '0399501005',  
'csula-01-01-N005', 'Technical',  
'0.8 million', '200', 'Professional SQL Server 2012 Internals and Troubleshooting (2012)', '2014-04-01',  
'2014-04-15', '0', '1'),  
('59', 'Securing SQL Server 2nd  
Edition (2012)', ' Rob Farley', 'foreign', '0399501004', 'csula-01-01-S001', 'Microsoft', '1 millions', '220',  
'onvex minimization, a subfield of  
optimization,
```

studies the problem of minimizing convex functions over convex sets.', '2014-08-06', '2014-08-31', '0', '3');

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```
INSERT INTO `CS422Project`.`books` (`book_id`, `name`, `author`, `book_type`, `isbn`, `catalog_no`,  
 `publishpress`, `total_words`, `price`, `descri`, `publish_date`, `Regis_date`, `ls_new`, `branch_id`)  
VALUES ('105', 'Applied Microsoft SQL Server 2008 Reporting Services (2008)', 'Teo Lachev', 'English',  
 '0399501005', 'csula-01-01-S002', 'Meboo', '1.5 million', '110', 'Optimization is the science of making a  
best choice in the face of conflicting requirements.', '2015-03-01', '2015-03-04', '1', '2');
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```
INSERT INTO `CS422Project`.`books` (`book_id`, `name`, `author`, `book_type`, `isbn`, `catalog_no`,  
 `publishpress`, `total_words`, `price`, `descri`, `publish_date`, `Regis_date`, `ls_new`, `branch_id`)  
VALUES ('103', 'Professional SQL Server 2012 Internals and Troubleshooting (2012)', 'Christian ', 'foreign',  
 '0399501003', 'csula-01-01-N003', 'Technical', '0.8 million', '200', 'Professional SQL Server 2012 Internals  
and Troubleshooting (2012)', '2014-04-01', '2014-04-15', '0', '3'), ('104', 'Convex Optimization', ' Rob  
Farley', 'foreign', '0399501004', 'csula-01-01-S001', 'Microsoft', '1 millions', '220', 'onvex minimization, a  
subfield of optimization, studies the problem of minimizing convex functions over convex sets.', '2014-  
08-06', '2014-08-31', '0', '1');
```

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```
INSERT INTO `CS422Project`.`books` (`book_id`, `name`, `author`, `book_type`, `isbn`, `catalog_no`,  
 `publishpress`, `total_words`, `price`, `descri`, `publish_date`,  
 `Regis_date`, `ls_new`, `branch_id`) VALUES ('106', 'Professional SQL Server 2012 Internals and  
Troubleshooting (2012)', 'Christian ', 'foreign', '0399501003',  
 'csula-01-01-N003', 'Technical', '0.8 million', '200', 'Professional SQL Server 2012 Internals and  
Troubleshooting (2012)', '2014-04-01', '2014-04-15', '0', '3'),  
 ('107', 'Convex Optimization', ' Rob Farley', 'foreign', '0399501004', 'csula-01-01-S001', 'Microsoft', '1  
millions', '220', 'onvex minimization, a subfield of  
optimization, studies the problem of minimizing convex functions over convex sets.', '2014-08-06',  
 '2014-08-31', '0', '1');
```

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```
INSERT INTO `CS422Project`.`books` (`book_id`, `name`, `author`, `book_type`, `isbn`, `catalog_no`,  
`publishpress`, `total_words`, `price`, `descri`, `publish_date`,  
`Regis_date`, `Is_new`, `branch_id`) VALUES ('108', 'Applied Microsoft SQL Server 2008 Reporting  
Services (2008)', 'Teo Lachev', 'English', '0399501005', 'csula-01-01  
-S002', 'Meboo', '1.5 million', '110', 'Optimization is the science of making a best choice in the face of  
conflicting requirements.', '2015-03-01', '2015-03-04',  
'1', '2');
```

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```
INSERT INTO `CS422Project`.`books` (`book_id`, `name`, `author`, `book_type`, `isbn`, `catalog_no`,  
`publishpress`, `total_words`, `price`, `descri`, `publish_date`,  
`Regis_date`, `Is_new`, `branch_id`) VALUES ('109', 'Securing SQL Server 2nd Edition (2012)', 'Christian ',  
'foreign', '0399501005', 'Technical', '0.8 million', '200', 'Professional SQL Server 2012 Internals and  
Troubleshooting (2012)', '2014-04-01', '2014-04-15', '0', '3'),  
('110', 'Securing SQL Server 2nd Edition (2012)', ' Rob Farley', 'foreign', '0399501004', 'csula-01-01-S001',  
'Microsoft', '1 millions', '220', 'onvex minimization, a subfield of  
optimization, studies the problem of minimizing convex functions over convex sets.', '2014-08-06',  
'2014-08-31', '0', '1');
```

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```
INSERT INTO `CS422Project`.`books` (`book_id`, `name`, `author`, `book_type`, `isbn`, `catalog_no`,  
`publishpress`, `total_words`, `price`, `descri`, `publish_date`,  
`Regis_date`, `Is_new`, `branch_id`) VALUES ('111', 'Securing SQL Server 2nd Edition (2012)', 'Christian ',  
'foreign', '0399501005',  
'csula-01-01-N005', 'Technical',  
'0.8 million', '200', 'Professional SQL Server 2012 Internals and Troubleshooting (2012)', '2014-04-01',  
'2014-04-15', '0', '1'),  
('112', 'Securing SQL Server 2nd  
Edition (2012)', ' Rob Farley', 'foreign', '0399501004', 'csula-01-01-S001', 'Microsoft', '1 millions', '220',  
'onvex minimization, a subfield of  
optimization,
```

studies the problem of minimizing convex functions over convex sets.', '2014-08-06', '2014-08-31', '0', '2');

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```
INSERT INTO `CS422Project`.`books` (`book_id`, `name`, `author`, `book_type`, `isbn`, `catalog_no`,  
`publishpress`, `total_words`, `price`, `descri`, `publish_date`, `Regis_date`, `ls_new`, `branch_id`)  
VALUES ('113', 'Applied Microsoft SQL Server 2008 Reporting Services (2008)', 'Teo Lachev', 'English',  
'0399501005', 'csula-01-01-S002', 'Meboo', '1.5 million', '110', 'Optimization is the science of making a  
best choice in the face of conflicting requirements.', '2015-03-01', '2015-03-04', '1', '2');
```

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```
INSERT INTO `CS422Project`.`books` (`book_id`, `name`, `author`, `book_type`, `isbn`, `catalog_no`,  
`publishpress`, `total_words`, `price`, `descri`, `publish_date`, `Regis_date`, `ls_new`, `branch_id`)  
VALUES ('114', 'Professional SQL Server 2012 Internals and Troubleshooting (2012)', 'Christian ', 'foreign',  
'0399501003', 'csula-01-01-N003', 'Technical', '0.8 million', '200', 'Professional SQL Server 2012 Internals  
and Troubleshooting (2012)', '2014-04-01', '2014-04-15', '0', '3'), ('115', 'Convex Optimization', ' Rob  
Farley', 'foreign', '0399501004', 'csula-01-01-S001', 'Microsoft', '1 millions', '220', 'onvex minimization, a  
subfield of optimization, studies the problem of minimizing convex functions over convex sets.', '2014-  
08-06', '2014-08-31', '0', '1');
```

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```
INSERT INTO `CS422Project`.`books` (`book_id`, `name`, `author`, `book_type`, `isbn`, `catalog_no`,  
`publishpress`, `total_words`, `price`, `descri`, `publish_date`,  
`Regis_date`, `ls_new`, `branch_id`) VALUES ('116', 'Professional SQL Server 2012 Internals and  
Troubleshooting (2012)', 'Christian ', 'foreign', '0399501003',  
'csula-01-01-N003', 'Technical', '0.8 million', '200', 'Professional SQL Server 2012 Internals and  
Troubleshooting (2012)', '2014-04-01', '2014-04-15', '0', '3'),  
('117', 'Convex Optimization', ' Rob Farley', 'foreign', '0399501004', 'csula-01-01-S001', 'Microsoft', '1  
millions', '220', 'onvex minimization, a subfield of  
optimization, studies the problem of minimizing convex functions over convex sets.', '2014-08-06',  
'2014-08-31', '0', '1');
```

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```
INSERT INTO `CS422Project`.`books` (`book_id`, `name`, `author`, `book_type`, `isbn`, `catalog_no`,  
`publishpress`, `total_words`, `price`, `descri`, `publish_date`,  
`Regis_date`, `Is_new`, `branch_id`) VALUES ('118', 'Applied Microsoft SQL Server 2008 Reporting  
Services (2008)', 'Teo Lachev', 'English', '0399501005', 'csula-01-01  
-S002', 'Meboo', '1.5 million', '110', 'Optimization is the science of making a best choice in the face of  
conflicting requirements.', '2015-03-01', '2015-03-04',  
'1', '2');
```

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```
INSERT INTO `CS422Project`.`books` (`book_id`, `name`, `author`, `book_type`, `isbn`, `catalog_no`,  
`publishpress`, `total_words`, `price`, `descri`, `publish_date`,  
`Regis_date`, `Is_new`, `branch_id`) VALUES ('119', 'Securing SQL Server 2nd Edition (2012)', 'Christian ',  
'foreign', '0399501005', 'Technical', '0.8 million', '200', 'Professional SQL Server 2012 Internals and  
Troubleshooting (2012)', '2014-04-01', '2014-04-15', '0', '3'),  
('120', 'Securing SQL Server 2nd Edition (2012)', ' Rob Farley', 'foreign', '0399501004', 'csula-01-01-S001',  
'Microsoft', '1 millions', '220', 'onvex minimization, a subfield of  
optimization, studies the problem of minimizing convex functions over convex sets.', '2014-08-06',  
'2014-08-31', '0', '1');
```

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```
INSERT INTO `CS422Project`.`books` (`book_id`, `name`, `author`, `book_type`, `isbn`, `catalog_no`,  
`publishpress`, `total_words`, `price`, `descri`, `publish_date`,  
`Regis_date`, `Is_new`, `branch_id`) VALUES ('121', 'Securing SQL Server 2nd Edition (2012)', 'Christian ',  
'foreign', '0399501005',  
'csula-01-01-N005', 'Technical',  
'0.8 million', '200', 'Professional SQL Server 2012 Internals and Troubleshooting (2012)', '2014-04-01',  
'2014-04-15', '0', '1'),  
('122', 'Securing SQL Server 2nd  
Edition (2012)', ' Rob Farley', 'foreign', '0399501004', 'csula-01-01-S001', 'Microsoft', '1 millions', '220',  
'onvex minimization, a subfield of  
optimization,
```

studies the problem of minimizing convex functions over convex sets.', '2014-08-06', '2014-08-31', '0', '2');

---

```
INSERT INTO `CS422Project`.`books` ( `book_id` , `name` , `author` , `book_type` , `isbn` , `catalog_no` ,  
`publishpress` , `total_words` , `price` , `descri` , `publish_date` , `Regis_date` , `Is_new` , `branch_id` )  
VALUES ('5', 'Applied Microsoft SQL Server 2008 Reporting Services (2008)', 'Teo Lachev', 'English',  
'0399501005', 'csula-01-01-S002', 'Meboo', '1.5 million', '110', 'Optimization is the science of making a  
best choice in the face of conflicting requirements.', '2015-03-01', '2015-03-04', '1', '2');
```

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```
INSERT INTO `CS422Project`.`books` ( `book_id` , `name` , `author` , `book_type` , `isbn` , `catalog_no` ,  
`publishpress` , `total_words` , `price` , `descri` , `publish_date` , `Regis_date` , `Is_new` , `branch_id` )  
VALUES ('3', 'Professional SQL Server 2012 Internals and Troubleshooting (2012)', 'Christian ', 'foreign',  
'0399501003', 'csula-01-01-N003', 'Technical', '0.8 million', '200', 'Professional SQL Server 2012 Internals  
and Troubleshooting (2012)', '2014-04-01', '2014-04-15', '0', '3'), ('4', 'Convex Optimization', ' Rob  
Farley', 'foreign', '0399501004', 'csula-01-01-S001', 'Microsoft', '1 millions', '220', 'onvex minimization, a  
subfield of optimization, studies the problem of minimizing convex functions over convex sets.', '2014-  
08-06', '2014-08-31', '0', '1');
```

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```
INSERT INTO `CS422Project`.`books` ( `book_id` , `name` , `author` , `book_type` , `isbn` , `catalog_no` ,  
`publishpress` , `total_words` , `price` , `descri` , `publish_date` ,  
`Regis_date` , `Is_new` , `branch_id` ) VALUES ('6', 'Professional SQL Server 2012 Internals and  
Troubleshooting (2012)', 'Christian ', 'foreign', '0399501003',  
'csula-01-01-N003', 'Technical', '0.8 million', '200', 'Professional SQL Server 2012 Internals and  
Troubleshooting (2012)', '2014-04-01', '2014-04-15', '0', '3'),  
( '7', 'Convex Optimization', ' Rob Farley', 'foreign', '0399501004', 'csula-01-01-S001', 'Microsoft', '1  
millions', '220', 'onvex minimization, a subfield of  
optimization, studies the problem of minimizing convex functions over convex sets.', '2014-08-06',  
'2014-08-31', '0', '1');
```

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```
INSERT INTO `CS422Project`.`books` ( `book_id` , `name` , `author` , `book_type` , `isbn` , `catalog_no` ,  
`publishpress` , `total_words` , `price` , `descri` , `publish_date` ,
```

```
`Regis_date`, `Is_new`, `branch_id`) VALUES ('8', 'Applied Microsoft SQL Server 2008 Reporting Services  
(2008)', 'Teo Lachev', 'English', '0399501005', 'csula-01-01  
-S002', 'Meboo', '1.5 million', '110', 'Optimization is the science of making a best choice in the face of  
conflicting requirements.', '2015-03-01', '2015-03-04',  
'1', '2');
```

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```
INSERT INTO `CS422Project`.`books` (`book_id`, `name`, `author`, `book_type`, `isbn`, `catalog_no`,  
 `publishpress`, `total_words`, `price`, `descri`, `publish_date`,  
 `Regis_date`, `Is_new`, `branch_id`) VALUES ('9', 'Securing SQL Server 2nd Edition (2012)', 'Christian ',  
 'foreign', '0399501005',  
 'csula-01-01-N005', 'Technical', '0.8 million', '200', 'Professional SQL Server 2012 Internals and  
Troubleshooting (2012)', '2014-04-01', '2014-04-15', '0', '3'),  
 ('10', 'Securing SQL Server 2nd Edition (2012)', ' Rob Farley', 'foreign', '0399501004', 'csula-01-01-S001',  
 'Microsoft', '1 millions', '220', 'onvex minimization, a subfield of  
optimization, studies the problem of minimizing convex functions over convex sets.', '2014-08-06',  
 '2014-08-31', '0', '1');
```

---

```
INSERT INTO `CS422Project`.`books` (`book_id`, `name`, `author`, `book_type`, `isbn`, `catalog_no`,  
 `publishpress`, `total_words`, `price`, `descri`, `publish_date`,  
 `Regis_date`, `Is_new`, `branch_id`) VALUES ('11', 'Securing SQL Server 2nd Edition (2012)', 'Christian ',  
 'foreign', '0399501005',  
 'csula-01-01-N005', 'Technical',  
 '0.8 million', '200', 'Professional SQL Server 2012 Internals and Troubleshooting (2012)', '2014-04-01',  
 '2014-04-15', '0', '1'),  
 ('12', 'Securing SQL Server 2nd  
Edition (2012)', ' Rob Farley', 'foreign', '0399501004', 'csula-01-01-S001', 'Microsoft', '1 millions', '220',  
 'onvex minimization, a subfield of  
optimization,  
studies the problem of minimizing convex functions over convex sets.', '2014-08-06', '2014-08-31', '0',  
 '2');
```

---

```
INSERT INTO `CS422Project`.`book_loans` (`card_id`, `book_id`, `branch_id`, `due_date`,  
`checkout_date`, `loan_type`, `fine_amount`, `renew_status`) VALUES ('301236548', '3', '3', '2015-02-  
17', '2015-04-17', 'foreign', '0', '0');
```

---

```
INSERT INTO `CS422Project`.`book_loans` (`card_id`, `book_id`, `branch_id`, `due_date`,  
`checkout_date`, `loan_type`, `fine_amount`, `renew_status`) VALUES ('306595412', '10', '1', '2015-03-  
31', '2015-01-31', 'foreign', '0', '0');
```

---

```
INSERT INTO `CS422Project`.`book_loans` (`card_id`, `book_id`, `branch_id`, `due_date`,  
`checkout_date`, `loan_type`, `fine_amount`, `renew_status`) VALUES ('396363636', '5', '2', '2015-03-  
01', '2015-01-01', 'English', '1', '0');
```

---

```
INSERT INTO `CS422Project`.`book_loans` (`card_id`, `book_id`, `branch_id`, `due_date`,  
`checkout_date`, `loan_type`, `fine_amount`, `renew_status`) VALUES ('302659632', '9', '3', '2014-12-  
20', '2015-02-20', 'foreign', '10', '0');
```

---

```
INSERT INTO `book_limitation` (`borrower_type`, `book_type`, `no_of_books`, `loan_period`,  
`extention_time`, `extention_days`) VALUES  
(`Faculty`, 'English', '5', '90 Days', '1', '30'),  
(`Faculty`, 'Foreign', '3', '60 Days', '1', '30'),  
(`Staff`, 'English', '7', '60 Days', '1', '30'),  
(`Staff`, 'Foreign', '6', '30 Days', '1', '30'),  
(`Graduate Student`, 'New Book', '6', '7 Days', '0', '0'),  
(`Graduate Student`, 'Foreign', '2', '30 Days', '1', '15'),  
(`Undergraduate Student`, 'English', '5', '60 Days', '1', '30'),  
(`Undergraduate Student`, 'Foreign', '6', '60 Days', '1', '30'),  
(`Vocational`, 'English', '5', '60 Days', '1', '15'),  
(`Vocational`, 'Foreign', '9', '30 Days', '1', '15');
```

---

```
INSERT INTO `CS422Project`.`users` (`username`, `user_type`, `password`) VALUES  
(`304470392`, 'Graduate Student','02211991'),  
(`304384878`, 'Graduate Student', '11241991'),  
(`101202505`, 'Graduate Student','08131992'),  
(`201548654`, 'Graduate Student','03231992'),  
(`302569584`, 'Graduate Student','09151993'),  
(`205968745`, 'Vocational Student','10121993'),  
(`302659632`,`Undergraduate Student`, '01161992'),  
(`306985123`,`Undergraduate Student`, '02261989'),  
(`201523624`,`Vocational Student`, '09141992'),  
(`401985698`, 'Graduate Student','02101986'),  
(`302548596`, 'Faculty','09211985'),  
(`306958742`,`Vocational Student`, '08131990'),  
(`301236548`,`Faculty`, '04211981'),
```

```
('201326598', 'Graduate Student', '12211986'),  
('302659847', 'Graduate Student', '0111979'),  
('365987459', 'Staff', '02211961'),  
('306595412', 'Graduate Student', '03311961'),  
('306985214', 'Vocational Student', '12211981'),  
('396363636', 'Staff', '09151971');
```

---

```
INSERT INTO `CS422Project`.`book_loans` (`card_id`, `book_id`, `branch_id`, `due_date`,  
`checkout_date`, `loan_type`, `fine_amount`, `renew_status`) VALUES ('304470392', '50', '1', '2015-04-  
10', '2015-02-02', 'English', '0', '0');
```

---

```
INSERT INTO `CS422Project`.`book_loans` (`card_id`, `book_id`, `branch_id`, `due_date`,  
`checkout_date`, `loan_type`, `fine_amount`, `renew_status`) VALUES ('301236548', '51', '2', '2015-02-  
17', '2015-04-17', 'foreign', '0', '0');
```

---

```
INSERT INTO `CS422Project`.`book_loans` (`card_id`, `book_id`, `branch_id`, `due_date`,  
`checkout_date`, `loan_type`, `fine_amount`, `renew_status`) VALUES ('301236548', '52', '2', '2015-02-  
17', '2015-04-17', 'foreign', '0', '0');
```

---

```
INSERT INTO `CS422Project`.`book_loans` (`card_id`, `book_id`, `branch_id`, `due_date`,  
`checkout_date`, `loan_type`, `fine_amount`, `renew_status`) VALUES ('301236548', '53', '1', '2015-02-  
17', '2015-04-17', 'foreign', '0', '0');
```

---

```
INSERT INTO `CS422Project`.`book_loans` (`card_id`, `book_id`, `branch_id`, `due_date`,  
`checkout_date`, `loan_type`, `fine_amount`, `renew_status`) VALUES ('301236548', '54', '2', '2015-02-  
17', '2015-04-17', 'foreign', '0', '0');
```

---

```
INSERT INTO `CS422Project`.`book_loans` (`card_id`, `book_id`, `branch_id`, `due_date`,  
`checkout_date`, `loan_type`, `fine_amount`, `renew_status`) VALUES ('301236548', '55', '3', '2015-02-  
17', '2015-04-17', 'English', '0', '0');
```

---

```
INSERT INTO `CS422Project`.`book_loans` (`card_id`, `book_id`, `branch_id`, `due_date`,  
`checkout_date`, `loan_type`, `fine_amount`, `renew_status`) VALUES ('301236548', '56', '2', '2015-02-  
17', '2015-04-17', 'foreign', '0', '0');
```

---

```
INSERT INTO `CS422Project`.`book_loans` (`card_id`, `book_id`, `branch_id`, `due_date`,  
`checkout_date`, `loan_type`, `fine_amount`, `renew_status`) VALUES ('201523624', '105', '2', '2015-04-  
10', '2015-02-02', 'English', '0', '0');
```

---

```
INSERT INTO `CS422Project`.`book_loans` (`card_id`, `book_id`, `branch_id`, `due_date`,  
`checkout_date`, `loan_type`, `fine_amount`, `renew_status`) VALUES ('201523624', '108', '2', '2015-04-  
10', '2015-02-02', 'English', '0', '0');
```

---

```
INSERT INTO `CS422Project`.`book_loans` (`card_id`, `book_id`, `branch_id`, `due_date`,  
`checkout_date`, `loan_type`, `fine_amount`, `renew_status`) VALUES ('201523624', '113', '2', '2015-04-  
10', '2015-02-02', 'English', '0', '0');
```

---

```
INSERT INTO `CS422Project`.`book_loans` (`card_id`, `book_id`, `branch_id`, `due_date`,  
`checkout_date`, `loan_type`, `fine_amount`, `renew_status`) VALUES ('201523624', '118', '2', '2015-04-  
10', '2015-02-02', 'English', '0', '0');
```

---

```
INSERT INTO `CS422Project`.`book_loans` (`card_id`, `book_id`, `branch_id`, `due_date`,  
`checkout_date`, `loan_type`, `fine_amount`, `renew_status`) VALUES ('101202505', '117', '1', '2015-04-  
10', '2015-02-02', 'foreign', '0', '0');
```

---

use CS422Project;

```
INSERT INTO `CS422Project`.`books` (`book_id`, `name`, `author`, `book_type`, `isbn`, `catalog_no`,  
`publishpress`, `total_words`, `price`, `descri`, `publish_date`, `Regis_date`, `Is_new`, `branch_id`)  
VALUES ('520', 'web programming', 'Abc', 'English', '158975336', 'csula-01-01-S113', 'Microsoft', '1.1  
million', '150', 'introduction to web programming', '2014-02-24', '2014-02-26', '0', '2');
```

use CS422Project;

```
INSERT INTO `CS422Project`.`books` (`book_id`, `name`, `author`, `book_type`, `isbn`, `catalog_no`,  
`publishpress`, `total_words`, `price`, `descri`, `publish_date`, `Regis_date`, `Is_new`, `branch_id`)  
VALUES ('707', 'Computer Network', 'Lena Pearce', 'French', '1254789632', 'csula-01-02-2514',  
'Technical', '25120', '531', 'computer hardware and Networking', '2014-09-03', '2014-07-03', '0', '2');
```

---

```
INSERT INTO `CS422Project`.`borrowers` (`card_id`, `name`, `gender`, `bor_type`, `department`, `email`,  
`birthdate`) VALUES ('101202910', 'John ', 'Male', 'Graduate Student', 'Finance Department',  
'John@gmail.com', '1980-12-08');
```

---

```
INSERT INTO `CS422Project`.`book_loans` (`card_id`, `book_id`, `branch_id`, `due_date`,  
`checkout_date`, `loan_type`, `fine_amount`, `renew_status`) VALUES ('101202910', '707', '2', '2015-03-  
18', '2014-12-31', 'English', '0', '1');
```

---

```
insert INTO `CS422Project`.`borrowers` (`card_id`, `name`, `gender`, `bor_type`, `department`, `email`, `birthdate`) VALUES ('526985658', 'Rahul Bose', 'male', 'Faculty', 'Electrical Department', 'Rahul541j@hotmail.com', '1991-03-03');
```

---

```
INSERT INTO `CS422Project`.`book_loans` (`card_id`, `book_id`, `branch_id`, `due_date`, `checkout_date`, `loan_type`, `fine_amount`, `renew_status`) VALUES ('526985658', '7', '1', '2015-03-18', '2015-03-01', 'foreign', '0', '0');
```

---

```
INSERT INTO `CS422Project`.`books` (`book_id`, `name`, `author`, `book_type`, `isbn`, `catalog_no`, `publishpress`, `total_words`, `price`, `descri`, `publish_date`, `Regis_date`, `Is_new`, `branch_id`) VALUES ('1010', 'Networking', 'John', 'English', '1058963245', 'csula-226-S998', 'Microsoft', '1.5 million', '190', 'introduction to networking', '2014-10-21', '2015-02-23', '1', '3');
```

---