

# Views Report

- View 1: Track the rental information of each student.

Students' rental information	
ABC College	
123 StudentID	
ABC FirstName	
ABC LastName	
ABC Gender	
ABC BooksName	
RentalDate	
DueDate	

```
CREATE VIEW Student.[Students rental information] AS
SELECT si.College, si.StudentID, si.FirstName, si.LastName,
       si.Gender, bi.BooksName, r.RentalDate, r.DueDate
FROM (
    (
        Student.StudentInformation si
        INNER JOIN Rental.Rental r
        ON si.StudentID = r.StudentID
    )
    INNER JOIN Rental.BookCopy bc
    ON r.CopyID = bc.CopyID
)
INNER JOIN Book.BookInformation bi
ON bc.BooksID = bi.BooksID;

SELECT * FROM Student.[Students rental information ]
ORDER BY College, StudentID;
```

	ABC College	123 StudentID	ABC FirstName	ABC LastName	ABC Gender	ABC BooksName	RentalDate	DueDate
1	Art	2,105	Beyoneta	Beth	Female	Database Systems-A Practical Approach to Design Implementation and Management	2020-01-06	2020-02-05
2	Art	2,105	Beyoneta	Beth	Female	No Longer Human	2020-01-06	2020-02-05
3	Business	2,106	Jill	Valentine	Femail	Database Systems-A Practical Approach to Design Implementation and Management	2020-01-06	2020-02-05
4	Business	2,106	Jill	Valentine	Femail	No Longer Human	2020-01-06	2020-02-05
5	Business	2,108	Laura	Croft	Female	Database Systems-A Practical Approach to Design Implementation and Management	2021-01-05	2021-02-04
6	CS	2,104	Franklin	Deo	Male	No Longer Human	2020-03-17	2020-04-16
7	Engineering	2,101	John	Wick	Male	Database Systems-A Practical Approach to Design Implementation and Management	2020-01-05	2020-02-04
8	Engineering	2,101	John	Wick	Male	Principles Of DataBase Management	2020-01-05	2020-02-04
9	Engineering	2,101	John	Wick	Male	Kingdom Come	2020-01-05	2020-02-04
10	Engineering	2,101	John	Wick	Male	Innovative Bridge Design Handbook	2020-01-05	2020-02-04
11	Engineering	2,102	Michael	Townly	Male	Innovative Bridge Design Handbook	2020-01-02	2020-02-01
12	Engineering	2,102	Michael	Townly	Male	The Killing Joke	2020-01-02	2020-02-01
13	Engineering	2,102	Michael	Townly	Male	Microsoft SQL Server 2016-A beginner Guide	2020-08-05	2020-09-04
14	Engineering	2,110	Sam	Bridges	Male	Kingdom Come	2020-03-15	2020-04-14



# Views Report

- View 2: Track the rental information of computer application.
- View 3: Track the rental information of comic.
- View 4: Track the rental information of civil engineering.
- View 5: Track the rental information of management

```
CREATE VIEW Book.[Computer Application Book Rental Information] AS
SELECT bt.Information, bi.BooksName, si.FirstName, si.LastName, si.College
FROM (
    (
        Book.BookType bt
        INNER JOIN Book.BookInformation bi
        ON bt.BooksTypeID = bi.BooksTypeID
    )
    INNER JOIN Rental.BookCopy bc
    ON bi.BooksID = bc.BooksID
)
INNER JOIN Rental.Rental r
ON bc.CopyID = r.CopyID
INNER JOIN Student.StudentInformation si
ON r.StudentID = si.StudentID
WHERE bt.BooksTypeID = 2;
```

	ABC Information	ABC BooksName	ABC FirstName	ABC LastName	ABC College
1	Computer Application	Database Systems-A Practical Approach to Design Implementation and Management	Beyoneta	Beth	Art
2	Computer Application	Database Systems-A Practical Approach to Design Implementation and Management	Jill	Valentine	Business
3	Computer Application	Database Systems-A Practical Approach to Design Implementation and Management	Laura	Croft	Business
4	Computer Application	Microsoft SQL Server 2016-A beginner Guide	Michael	Townly	Engineering
5	Computer Application	Database Systems-A Practical Approach to Design Implementation and Management	John	Wick	Engineering
6	Computer Application	Principles Of DataBase Management	John	Wick	Engineering