--View Code

drop view if exists view\_works\_under

drop view if exists view\_books\_and\_authors

drop view if exists students\_cost

drop view if exists view\_library\_cost\_students

drop view if exists view\_reserved\_books

go

create view view\_reserved\_books as

   select m.member\_firstname + ' ' + m.member\_lastname as 'Member Name',

       b.book\_title as 'Book Title', b.book\_category\_name as 'Book Genre',

       r.reservation\_date as 'Reservation Date',

       r.reservation\_return\_date as 'Return Date for the book: '

       from reservations r

           join members m  on m.member\_id = r.reservation\_member\_id

           join books b on b.book\_id = r.reservation\_book\_id

       group by m.member\_firstname, m.member\_lastname, b.book\_title, b.book\_category\_name, r.reservation\_date, r.reservation\_return\_date

go

create view view\_library\_cost\_students as

   select e.employee\_firstname + ' ' + e.employee\_lastname as 'Employee Name',

        e.employee\_payrate as 'Employee Pay rate',

        e.employee\_hours\_worked as 'Total hours worked',

        e.employee\_payrate \* e.employee\_hours\_worked as 'Total Gross Pay',

        e.employee\_department\_head as 'Reports to: '

        from employees e

        where employee\_jobtitle = 'Student Employee'

go

create view students\_cost as

   select SUM(e.employee\_hours\_worked \* e.employee\_payrate) as 'Total Cost of Hiring Students'

        from employees e

        where employee\_jobtitle = 'Student Employee'

go

go

create view view\_books\_and\_authors as

   select b.book\_title as 'Book Title',

   b.book\_category\_name as 'Category',

   w.writer\_first\_name + ' ' + w.writer\_last\_name as 'Writers Name'

       from books b

           join book\_authors a  on a.book\_author\_book\_id = b.book\_id

           join writers w on w.writer\_id = a.book\_author\_author\_id

       group by b.book\_title, b.book\_category\_name, w.writer\_first\_name, w.writer\_last\_name

go

create view view\_works\_under as

    select e.employee\_firstname + ' ' + e.employee\_lastname as 'Employee Name',

        e.employee\_jobtitle as 'Employee Job Title',

        e.employee\_hours\_worked as 'Employee Hours worked',

        e.employee\_department\_head as 'Department Head',

        COUNT(e.employee\_id) as 'Total Employees'

        from employees e

        group by e.employee\_firstname, e.employee\_lastname, e.employee\_jobtitle,e.employee\_hours\_worked, e.employee\_department\_head, e.employee\_id

go