-- task 3

-- 1

select sum(p.Amount) as Total

from payments p

Join Student s on p.StudentId = s.StudentId

where s.StudentId = 108;

-- 2

Select c.CourseId, c.CourseName, count(StudentId) as student\_count

From Courses c

Left Join

Enrollments e on c.CourseId = e.CourseId

Group by c.CourseId, c.CourseName;

-- 3

Select s.StudentId, s.FirstName

From student s

Left join

Enrollments e on s.StudentId = e.StudentId

where CourseId is null;

-- 4

Select s.FirstName, s.LastName, c.CourseName

From student s

Join

Enrollments e on s.StudentId = e.StudentId

Join

Courses c on e.CourseId = c.CourseId;

-- 5

Select t.FirstName, c.CourseName

from Teacher t

Left Join

Courses c on t.TeacherId = c.TeacherId;

-- 6

Select s.StudentId, s.FirstName, e.EnrollmentDate

from Student s

Join

Enrollments e on s.StudentId = e.StudentId

Join

Courses c on e.CourseId = c.CourseId

where CourseName = 'DBMS' or CourseName = 'OS';

-- 7

Select s.StudentId, s.FirstName

from Student s

Left Join

Payments p on s.StudentId = p.StudentId

where PaymentId is null;

-- 8

Select c.CourseId,c.CourseName

from Courses c

Left Join

Enrollments e on c.CourseId = e.CourseId

where EnrollmentId is null;

-- 9

Select e.StudentId, count(e.CourseId) as CourseCount

from Enrollments e

join

Enrollments e1 on e.StudentId = e1.StudentId

where e.CourseId != e1.CourseId

group by e.StudentId

Having (e.StudentId)>1;

-- 10

Select t.TeacherId, t.FirstName

from Teacher t

Left join

Courses c on t.TeacherId = c.TeacherId

where c.CourseId is null;