

```
157
158 • select s.StudentID , concat(s.FirstName , ' ' , s.LastName) AS StudentName , c.CourseID , c.CourseName ,
159   from Students s
160   join Enrollments e on s.StudentID = e.StudentID
161   join Courses c on e.CourseID = c.CourseID
162   order by s.StudentID ;
```

Result Grid | Filter Rows:  | Export: | Wrap Cell Content:

	StudentID	StudentName	CourseID	CourseName	EnrollmentDate
▶	2	Jane Smith	102	Data Structures	2021-08-01

```
149
150 • SELECT d.DepartmentID, d.DepartmentName, COUNT(DISTINCT e.StudentID) AS StudentsInDept
151   FROM Departments d
152   JOIN Courses c ON d.DepartmentID = c.DepartmentID
153   LEFT JOIN Enrollments e ON c.CourseID = e.CourseID
154   GROUP BY d.DepartmentID, d.DepartmentName;
```

---

Result Grid | Filter Rows:  Export: Wrap Cell Content:

	DepartmentID	DepartmentName	StudentsInDept
▶	2	Mathematics	1

```
128      ## Q - 7  
129  
130 • select avg(Credits) AS AVGCradits from Courses ;  
131
```

---

Result Grid			Filter Rows:	<input type="text"/>	Export:		Wrap Cell Content:	
	AVGCradits							
▶	3.5000							

```
---  
123  
124 • select distinct s.StudentID , FirstName , LastName from Students s  
125 join Enrollments e on s.StudentID = e.StudentID  
126 where e.CourseID in (101,102) ;
```

---

| Result Grid | Filter Rows:  | Export: Wrap Cell Content:

	StudentID	FirstName	LastName
▶	2	Jane	Smith

```
110 •      SELECT s.StudentID, s.FirstName, s.LastName  
111      FROM Students s  
112      WHERE EXISTS (  
113          SELECT 1 FROM Enrollments e1  
114          WHERE e1.StudentID = s.StudentID AND e1.CourseID = 101
```

Result Grid				Filter Rows:	Edit:	Export/Import:	Wrap C
	StudentID	FirstName	LastName				
*	HULL	HULL	HULL				

```
101  
102 • select c.CourseID , c.CourseName , count(e.StudentID) AS NumStudents  
103   from Courses c  
104   left join Enrollments e on c.CourseID = e.CourseID  
105   group by c.CourseID , c.CourseName  
106   having count(e.StudentID) > 5 ;
```

Result Grid | Filter Rows:  Export: Wrap Cell Content:

	CourseID	CourseName	NumStudents

```
98 • select * from Courses where DepartmentID = (select DepartmentID from Departments where DepartmentName = 'Ma  
99  
100 ## Q - 4
```

Result Grid | Filter Rows:  Edit: Export/Import: Wrap Cell Content:

	CourseID	CourseName	DepartmentID	Credits
*	NULL	NULL	NULL	NULL

```
8/  
88 • select * from Enrollments ;  
89 • update Enrollments set StudentID = 5 where EnrollmentID = 1 ;  
90 • delete from Enrollments where EnrollmentID = 1;
```

---

Result Grid | Filter Rows:  | Edit: | Export/Import: | Wrap Cell Content:

	EnrollmentID	StudentID	CourseID	EnrollmentDate
▶	2	2	102	2021-08-01
*	NULL	NULL	NULL	NULL