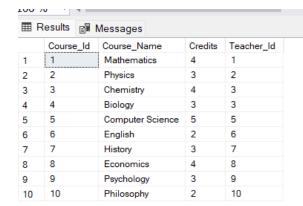


III F	Results 📲 N	Messages		
	Teacher_ld	Teacher_Firstname	Teacher_Lastname	Teacher_Email
1	1	Rahul	Sharma	rahul.sharma@example.com
2	2	Neha	Verma	neha.verma@example.com
3	3	Amit	Patel	amit.patel@example.com
4	4	Sneha	Rao	new.email@example.com
5	5	Vikram	Singh	vikram.singh@example.com
6	6	Anjali	Nair	anjali.nair@example.com
7	7	Rohan	Das	rohan.das@example.com
8	8	Kavya	lyer	kavya.iyer@example.com
9	9	Arjun	Mishra	arjun.mishra@example.com
10	10	Meera	Reddy	meera.reddy@example.com

.06 %	.06 % 🔻 🖣				
⊞ R	Results 📳	Messages			
	Course_ld	Course_Name	Credits	Teacher_ld	
1	1	Mathematics	4	1	
2	2	Physics	3	2	
3	3	Chemistry	4	3	
4	4	Biology	3	6	
5	5	Computer Science	5	5	
6	6	English	2	6	
7	7	History	3	7	
8	8	Economics	4	8	
9	9	Psychology	3	9	
10	10	Philosophy	2	10	

.06	% ▼ 4			
<b>III</b>	Results 🗐 Mes	ssages		
	Enrollment_ld	Student_Id	Course_ld	Enrollment_Date
1	1	1	1	2024-01-15
2	2	2	2 Click	t <b>ഉ</b> ក្សារដ្ឋាម whole colur
3	3	3	3	2024-03-05
4	4	4	4	2024-04-01
5	5	5	5	2024-05-12
6	6	6	6	2024-06-18
7	7	7	7	2024-07-22
8	8	8	8	2024-08-09
9	9	9	9	2024-09-14



	Student_ld	Student_Firstname	Student_Lastname	Student_DOB	Student_Email	Student_Phone
1	1	Amit	Sharma	2000-05-12	amit.sharma@example.com	9876543210
2	2	Priya	Verma	1999-08-25	priya.verma@example.com	8765432109
3	4	Sneha	Rao	2000-11-30	sneha.rao@example.com	6543210987
4	5	Vikram	Singh	1998-07-10	vikram.singh@example.com	5432109876
5	6	Anjali	Nair	2002-03-22	anjali.nair@example.com	4321098765
6	7	Rohan	Das	2001-06-15	rohan.das@example.com	3210987654
7	8	Kavya	lyer	1999-12-05	kavya.iyer@example.com	2109876543
8	9	Arjun	Mishra	2000-09-20	arjun.mishra@example.com	1098765432
9	10	Meera	Reddy	2001-04-08	meera.reddy@example.com	9876543201
10	11	John	Doe	1995-08-15	john.doe@example.com	1234567890

## a Results | ∰ Messages

Payment_lo	d Student_ld	Amount	Payment_Date
1	1	5000	2024-01-20
2	2	5500	2024-02-15
4	4	5200	2024-04-05
5	5	5100	2024-05-18
6	6	5300	2024-06-22
7	7	4700	2024-07-25
8	8	4900	2024-08-12
9	9	5000	2024-09-19
10	10	4600	2024-10-25

```
--1.Total Payments Made by a Specific Student
51
52
     SELECT S.Student_Firstname, S.Student_Lastname,
53
54
       UM(P.Amount) AS Total_Payment
     FROM Students S
55
     JOIN Payments P ON S.Student_Id = P.Student_Id
56
     WHERE S.Student_Id = 10
57
      GROUP BY S.Student_Firstname, S.Student_Lastname
58
59
50
      --2.Courses with the Count of Students Enrolled
51
52 SELECT C.Course_Name, COUNT(E.Student_Id) AS Student_
53
     FROM Courses C
                         maant F ON C Course Td
ilts 🗐 Messages
udent_Firstname Student_Lastname Total_Payment eera Reddy 4600
     65 | GKOUP BY C.Course_Name
           --3. Students Who Have Not Enrolled in Any Course
     66
     67
     68 = select s.student_firstname, s.student_lastname
     69
           from students s
          left join enrollmeant e on s.student_id = e.student_id
     70
           where e.student_id is null
     71
     72
           --4.Students and the courses thev are enrolled in
17 %
student_firstname student_lastname
                Reddy
   Meera
                Doe
    John
   78 --5. Teachers and cherr assigned courses
       select t.teacher_firstname, t.teacher_lastname, c.course
        from teachers t
       join courses c on t.teacher_id = c.teacher_id
        --6.List of students and their enrollment dates for a sp
Results Messages
             Sharma
                        Mathematics
  Neha
             Verma
                        Physics
             Patel
Patel
                        Chemistry
Biology
  Amit
  Vikram
             Singh
                        Computer Science
  Rohan
             Das
                        History
                        Francomics
                        Psychology
  Arjun
        join courses c on t.teacher_id = c.teacher_id
   81
        --6.List of students and their enrollment dates for a sp
  82
   83
        select s.student_firstname, s.student_lastname, e.enroll
   24
        from students s
        join enrollmeant e on s.student_id = e.student_id
   85
   86
        join courses c on e.course_id = c.course_id
   87
       where c.course_id = 1
   88
        --7.Students who have not made any payments
9/6 × 4
Results Messages
  student_firstname student_lastname
 Amit
            Sharma
                         2024-01-15
                         2024-02-10
                         2024-04-01
  Sneha
             Rao
  Vikram
                         2024-05-12
             Singh
                         2024-06-18
  Anjali
  Rohan
             Das
                         2024-07-22
  Kavya
  Ariun
             Mishra
                         2024-09-14
```

```
SELECT S.Student_Firstname, S.Student_Lastname,

SUM(P.Amount) AS Total_Payment

FROM Students S

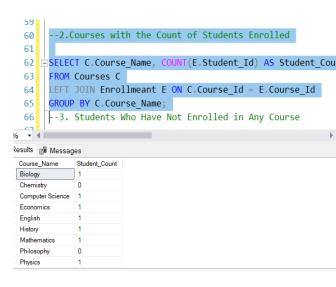
JOIN Payments P ON S.Student_Id = P.Student_Id

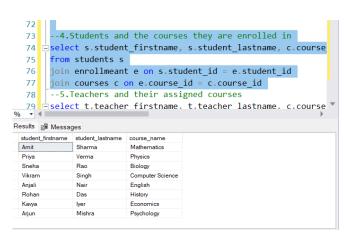
WHERE S.Student_Id = 10

GROUP BY S.Student_Firstname, S.Student_Lastname;

Ults Messages

udent_Firstname Student_Lastname Total_Payment
leera Reddy 4600
```





```
89
        --7.Students who have not made any payments
      select s.student_firstname, s.student_lastname
   90
   91
         from students s
        left join payments p on s.student_id = p.student_id
   92
        where p.student_id is null
   93
   94
   ▼ 4
Results Messages
  student_firstname student_lastname
            Doe
    94
    95
          --8.Courses that have no enrollments
    96
        =select c.course_name
    97
          from courses c
          left join enrollmeant e on c.course_id = e.course_id
    99
          where e.course_id is null
   100
          --9.students enrolled in more than one course
17 %
Results Messages
    course_name
  Chemistry
   Philosophy
 99 | | wnere e.course 10 15 null
100
      --9.students enrolled in more than one course
      select s.student_firstname, s.student_lastname,
101
102
      count(e.course_id) as course_count
      from students s
104
      join enrollmeant e on s.student id = e.student id
      group by s.student_firstname, s.student_lastname
105
106
      having count(e.course_id) > 0
107
      --10. Teachers who are not assigned to any courses
108 select t.teacher_firstname, t.teacher_lastname
, ▼ 4 ■
esults 🗐 Messages
student_firstname student_lastname course_count
Rohan
Ariun
           Mishra
Anjali
Sneha
           Rao
Amit
           Sharma
Vikram
           Singh
         having count(e.course_id) > 0
  106
  107
          --10.Teachers who are not assigned to any courses
          select t.teacher_firstname, t.teacher_lastname
  108
  109
          from teachers t
  110
          left join courses c on t.teacher_id = c.teacher_id
          where c.teacher_id is null
  111
  112
  113
  114
'% ▼ ◀ ■
Results Messages
  teacher_firstname teacher_lastname
               Rao
  Sneha
```

```
--1.Average number of students enrolled in each course
  115
       = select avg(student_count) as avg_students_per_course
  116
          from (select course id, count(student id) as student cou
  117
          from enrollmeant group by course_id)
  118
          as course enrollmeant
  119
          --2.Student(s) who made the highest payment
  120
7% ▼ 4
Results Messages
  avg_students_per_course
        as course enrollmeant
119
        --2.Student(s) who made the highest payment
120
121 select s.student firstname, s.student lastname, p.amount
122
        from students s
        join payments p on s.student id = p.student id
123
        where p.amount = (select max(amount) from payments)
124
125
        --3.Courses with the highest number of enrollments
126
y 4 ∥
esults 📳 Messages
student_firstname student_lastname
              Verma
                               5500
       where p.amount = (select max(amount) from payments)
       --3.Courses with the highest number of enrollments
 125
 126
       select c.course_name, count(e.student_id) as enrollment_
 127
 128
        from courses c
       join enrollmeant e on c.course_id = e.course_id
 129
 130
        group by c.course_id, c.course_name
       having count(e.student_id) = (select
 131
                                               (enrollment coun
       from (select count(student_id) as enrollment_count
 132
 133
        from enrollmeant group by course_id)
 134
       as enrollments_per_course)
 135
Results Messages
             enrollment_count
 Mathematics
  Physics
  Biology
  Computer Science
  English
  Economics
  Psychology
  --4.Total payments made to courses taught by each teache_
  137 _select t.teacher_firstname, t.teacher_lastname,
       (select sum(p.amount) from payments p
  138
  139
       join enrollmeant e on p.student_id = e.student_id
  140
       join courses c on e.course_id = c.course_id
  141
       where c.teacher_id = t.teacher_id) as total_payment
       from teachers t
  142
  143
  144
       --5.Students enrolled in all available courses
Results Messages
  teacher_firstname teacher_lastname total_payment
  Neha
           Verma
                    5500
  Amit
  Sneha
           Rao
                    NULL
           Singh
  Aniali
                    5300
  Rohan
  Kawa
                    4900
  Arjun
```

```
[ (SCIECE COUNTE(COULSC_IN) ITOM COULSCS)
   150
          --6.Teachers who have not been assigned to any courses
   151
          select teacher_firstname, teacher_lastname
   152
   153
          from teachers
          where teacher_id not in
   154
          (select distinct teacher_id from courses)
   155
  156
7% ▼ 4 [
Results Messages
   teacher_firstname teacher_lastname
  Sneha Rao
  156
  157
          --7.Average age of all students
  158 select avg(datediff(year, student_dob, getdate()))
  159
          as avg_age
  160
          from students
  161
  162
         --8. Identify courses with no enrollments
7 % ▼ 4 🗆
Results Messages
  avg_age
  25
 160 | trom students
 161
       --8.Identify courses with no enrollments
 162
 163
     select course_name
 164
 165
       from courses
       where course_id not in (select course_id from
 166
       enrollmeant)
 167
       --9.Total payments made by each student for each cou
 169
 170 select student_id, course_id,
 171 (select sum(amount) from payments p
Results Messages
 course_name
 Philosophy
       --9.Total payments made by each student for each course
 168
 170 select student_id, course_id,
     (select sum(amount) from payments p
where p.student_id = e.student_id) as total_payment
 171
 172
       from enrollmeant e
 173
 174
% - 4
Results Messages
 student_id course_id
              5500
              5100
              4700
              5000
```

```
174
  175
         --10. Identify students who made more than one payment
  176
        select student id
  177
  178
        from payments
  179
        group by student_id
  180
        having count(payment_id) > 0
  181
        --11.Total payments made by each student
  182
  183 select s.student_id, s.student_firstname, sum(p.amount)
Results Messages
  student_id
  1
  2
  5
  9
  10
 180
        having count(payment_id) > 0
        --11.Total payments made by each student
 181
 182
      = select s.student_id, s.student_firstname, sum(p.amount)
 183
        from students s
 184
        join payments p on s.student_id = p.student_id
 185
        group by s.student_id, s.student_firstname
 186
         --12.
 187
 188
 189
Results 📑 Messages
 student_id
          student_firstname
                       total_payment
          Amit
                       5000
 2
          Priya
                       5500
 4
                       5200
          Sneha
 5
          Vikram
                       5100
 6
          Anjali
                       5300
 7
          Rohan
                       4700
 8
          Kavya
                       4900
 9
                       5000
          Arjun
                       4600
 10
          Meera
```

```
186 | group by s.student_id, s.student_tirstname
       --12.List of courses with student count
 187
 188
 189 select c.course name, count(e.student id) as student cou
 190
       from courses c
       left join enrollmeant e on c.course_id = e.course_id
 191
       group by c.course_name
 192
 193
 194
% ▼ 4 🛚
Results 🗐 Messages
 course_name
             student_count
 Biology
 Chemistry
 Computer Science
 Economics
 English
 History
 Mathematics
 Philosophy
             0
 Physics
 194
         --13. Average payment amount by students
 195
 196 = select s.student_id, avg(p.amount) as avg_payment
 197
         from students s
 198
         join payments p on s.student id = p.student id
 199
         group by s.student_id;
 200
 201
% ▼ 4 ■
Results 📳 Messages
 student_id
          avg_payment
           5000
 6
           5300
 9
           5000
 8
           4900
           4600
  10
 2
           5500
 7
           4700
 4
           5200
```

5

5100