

# Queries with OUTPUT

## Final Submission

Sujal Prajapati - 202301478

Kalp Shah - 202301481

Vraj Parikh - 202301440

### SQL Queries :

#### Elective Management Queries :

##### 1. Insert a new elective course into the database

```
568 ▾ INSERT INTO Course (CourseID, CourseName, Branch, Credits, Lecture, Tutorial, Labs, Material)
569     VALUES ('CSE01', 'Data Science', 'CSE', 4, 3, TRUE, TRUE, 'Material content here');
570
```

Data Output Messages Notifications

INSERT 0 1

Query returned successfully in 107 msec.

##### 2. Update the details of an existing elective course

```
571 ▾ UPDATE Course
572     SET CourseName = 'Advanced Data Science',
573         Credits = 5,
574         Material = 'Updated material content'
575     WHERE CourseID = 'CSE01';
576
```

Data Output Messages Notifications

UPDATE 1

Query returned successfully in 227 msec.

##### 3. Delete an elective course from the database

```
577 ▾ DELETE FROM Course
578     WHERE CourseID = 'CSE01';
579
```

Data Output Messages Notifications

DELETE 1

Query returned successfully in 166 msec.

#### 4. Retrieve a list of all elective courses

```
581 SELECT * FROM Course;
```

Data Output Messages Notifications

	courseid [PK] character varying (5)	coursename character varying (100)	branch character varying (10)	credits integer	lecture integer	tutorial boolean	labs boolean	material text
1	GT01	Graph Theory and Algorithms	ICT	4	3	true	false	Basic graph concepts, algorithms
2	AA02	Approximation Algorithms	ICT	3	3	false	false	Approximation techniques
3	CC03	Computational Complexity	ICT	3	3	true	false	Complexity classes
4	RA04	Randomized Algorithms	ICT	3	3	false	false	Randomized computation
5	IC06	Introduction to Cryptography	ICT	3	3	false	false	Encryption methods
6	CD11	Compiler Design	ICT	4	3	true	true	Compiler construction
7	SE24	Software Engineering	ICT	4	3	true	true	Software development
8	SN31	System and Network Security	ICT	4	3	true	true	Security principles
9	NL22	Natural Language Processing	ICT	4	3	true	false	NLP techniques
10	DM21	Data Mining and Visualization	ICT	4	3	true	true	Data analysis

#### 5. Retrieve details of a specific elective course by course ID

```
583 SELECT * FROM Course
```

```
584 WHERE CourseID = 'GT01';
```

```
585
```

Data Output Messages Notifications

	courseid [PK] character varying (5)	coursename character varying (100)	branch character varying (10)	credits integer	lecture integer	tutorial boolean	labs boolean	material text
1	GT01	Graph Theory and Algorithms	ICT	4	3	true	false	Basic graph concepts, algorithms

#### 6. Find all elective courses offered by a specific department (Branch)

```
586 SELECT * FROM Course
```

```
587 WHERE Branch = 'MNC';
```

```
588
```

Data Output Messages Notifications

	courseid [PK] character varying (5)	coursename character varying (100)	branch character varying (10)	credits integer	lecture integer	tutorial boolean	labs boolean	material text
1	QC05	Quantum Computing	MNC	4	3	true	true	Quantum principles
2	AI37	Introduction to AI	MNC	4	3	true	false	AI fundamentals
3	DL35	Deep Learning	MNC	4	3	true	true	Neural networks
4	AM08	Adversarial Machine Learning	MNC	3	3	false	false	Security in ML
5	MS09	Machine Learning and Security	MNC	3	3	true	false	ML for security
6	RS36	Recommendation Systems	MNC	3	3	false	false	Recommender algorithms
7	CN40	Introduction to Complex Network	MNC	3	3	false	false	Network theory
8	IR39	Introduction to Robotics	MNC	4	3	true	true	Robotics principles
9	CT19	Control Theory	MNC	4	3	true	true	Control systems
10	OP25	Optimization	MNC	3	3	false	false	Optimization methods

#### 7. Find all elective courses with a specific credit count

```
589 SELECT * FROM Course
```

```
590 WHERE Credits = 4;
```

```
591
```

Data Output Messages Notifications

	courseid [PK] character varying (5)	coursename character varying (100)	branch character varying (10)	credits integer	lecture integer	tutorial boolean	labs boolean	material text
1	GT01	Graph Theory and Algorithms	ICT	4	3	true	false	Basic graph concepts, algorithms
2	CD11	Compiler Design	ICT	4	3	true	true	Compiler construction
3	SE24	Software Engineering	ICT	4	3	true	true	Software development
4	SN31	System and Network Security	ICT	4	3	true	true	Security principles
5	NL22	Natural Language Processi...	ICT	4	3	true	false	NLP techniques
6	DM21	Data Mining and Visualizati...	ICT	4	3	true	true	Data analysis
7	QC05	Quantum Computing	MNC	4	3	true	true	Quantum principles
8	AI37	Introduction to AI	MNC	4	3	true	false	AI fundamentals
9	DL35	Deep Learning	MNC	4	3	true	true	Neural networks
10	IR39	Introduction to Robotics	MNC	4	3	true	true	Robotics principles

## Student Enrollment Queries:

1. Enroll a student in an elective course.

```
'64 ▾ INSERT INTO Enrollment (StudentID, CourseID, GradeReceived)
'65 VALUES ('202101001', 'AA02', NULL);
'66
'67
```

Data Output Messages Notifications

INSERT 0 1

Query returned successfully in 61 msec.

2. Remove a student from an elective course.

```
766
767 ▾ DELETE FROM Enrollment
768 WHERE StudentID = '202101001' AND CourseID = 'GT01';
```

Data Output Messages Notifications

DELETE 0

Query returned successfully in 349 msec.

3. Retrieve all courses a specific student has registered for.

```
770 ▾ SELECT c.CourseID, c.CourseName, e.GradeReceived
771 FROM Enrollment e
772 JOIN Course c ON e.CourseID = c.CourseID
773 WHERE e.StudentID = '202101002';
774
```

Data Output Messages Notifications

	courseid character varying (5) 🔒	coursename character varying (100) 🔒	gradereceived character varying (2) 🔒
1	GT01	Graph Theory and Algorithms	AA
2	SN31	System and Network Security	BC
3	DL35	Deep Learning	BB
4	DS38	Intro to Data Science	AB

4. Find the number of students enrolled in a specific elective course.

```
775 SELECT c.CourseName, COUNT(e.StudentID) AS EnrollmentCount
776 FROM Enrollment e
777 JOIN Course c ON e.CourseID = c.CourseID
778 WHERE e.CourseID = 'GT01'
779 GROUP BY c.CourseName;
```

Data Output Messages Notifications

	<b>coursename</b> character varying (100)	<b>enrollmentcount</b> bigint
1	Graph Theory and Algorithms	9

5. Find all students enrolled in a specific elective course.

```
781 SELECT u.Name AS StudentName, s.StudentID
782 FROM Enrollment e
783 JOIN Student s ON e.StudentID = s.StudentID
784 JOIN Users u ON s.StudentID = u.UID
785 WHERE e.CourseID = 'GT01';
```

Data Output Messages Notifications

	<b>studentname</b> character varying (50)	<b>studentid</b> character varying (10)
1	Diya Sharma	202101002
2	Ananya Reddy	202104001
3	Krish Malhotra	202104002
4	Ishaan Kumar	202111001
5	Aanya Verma	202201001
6	Aditi Nair	202211001
7	Advait Trivedi	202301001
8	Kabir Srinivasan	202311001
9	Pari Gupta	202401001

6. Retrieve all elective courses available for a particular semester.

```
787 SELECT DISTINCT c.CourseID, c.CourseName
788 FROM Offered o
789 JOIN Course c ON o.CourseID = c.CourseID
790 WHERE o.Year = 2024 AND o.Semester = 1;
```

Data Output Messages Notifications

	courseid [PK] character varying (5)	coursename character varying (100)
1	AA02	Approximation Algorithms
2	AM08	Adversarial Machine Learning
3	BC07	Blockchain and Cryptocurrencies
4	DI12	Digital Image Processing
5	GT01	Graph Theory and Algorithms

7. Retrieve students who have not enrolled in any elective course.

```
792 SELECT u.Name AS StudentName, s.StudentID
793 FROM Student s
794 JOIN Users u ON s.StudentID = u.UID
795 LEFT JOIN Enrollment e ON s.StudentID = e.StudentID
796 WHERE e.StudentID IS NULL;
```

Data Output Messages Notifications

studentname character varying (50)	studentid character varying (10)
---------------------------------------	-------------------------------------

## Faculty Related Queries:

1. Assign an instructor to a specific elective course.

```
738 ✓ INSERT INTO Offered (CourseID, ProfID, Year, Semester, Intake)
739 VALUES ('AA02', 'MAJO', 2024, 1, 60);
740
```

Data Output Messages Notifications

INSERT 0 1

Query returned successfully in 63 msec.

2. Retrieve all elective courses taught by a specific instructor.

```
740
741 ✓ SELECT c.CourseID, c.CourseName, o.Year, o.Semester
742 FROM Offered o
743 JOIN Course c ON o.CourseID = c.CourseID
744 WHERE o.ProfID = 'MAJO';
```

Data Output Messages Notifications

	courseid character varying (5)	coursename character varying (100)	year integer	semester integer
1	GT01	Graph Theory and Algorithms	2024	1
2	GT01	Graph Theory and Algorithms	2023	1
3	GT01	Graph Theory and Algorithms	2022	1
4	GT01	Graph Theory and Algorithms	2021	1

3. Find the instructor assigned to a specific elective course.

```
746 ✓ SELECT u.Name AS ProfessorName
747 FROM Offered o
748 JOIN Professor p ON o.ProfID = p.ProfID
749 JOIN Users u ON p.ProfID = u.UID
750 WHERE o.CourseID = 'GT01' AND o.Year = 2024 AND o.Semester = 1;
```

Data Output Messages Notifications

	professorname character varying (50)
1	Manjunath V. Joshi

4. Find all elective courses that do not have an assigned instructor.

```

752 SELECT c.CourseID, c.CourseName
753 FROM Course c
754 LEFT JOIN Offered o ON c.CourseID = o.CourseID
755 WHERE o.ProfID IS NULL;
756
757
758

```

Data Output Messages Notifications

	courseid [PK] character varying (5)	coursename character varying (100)
1	OB53	Organisational Behaviour
2	EP43	Einstein Physics
3	CN40	Introduction to Complex Network
4	NC23	Natural Computing
5	AI47	Analog IC Design
6	OP25	Optimization
7	MC30	Models of Computation
8	AP50	Art: Ideas and Perspectives
9	NT42	Computational Number Theory
10	SP28	Software Project Management
11	MS09	Machine Learning and Security
12	NS32	No SQL Database
13	DS26	Recommendation Systems

5. Retrieve a list of instructors who have not been assigned any elective courses.

```

757 SELECT u.Name AS ProfessorName
758 FROM Professor p
759 JOIN Users u ON p.ProfID = u.UID
760 LEFT JOIN Offered o ON p.ProfID = o.ProfID
761 WHERE o.ProfID IS NULL;

```

Data Output Messages Notifications

	professorname character varying (50)
1	Arpit Rana
2	Mukesh Tiwari
3	Amit Mankodi
4	Ratna Bharati Bhamidipati
5	Minal Bhise
6	Biswajit Mishra
7	Nabin Kumar Sahu
8	P S Kalyan Sasidhar
9	Jenson Joseph
10	Manoj Raut
11	Sunitha V
12	Tathagata Bandyopadhy...

### Course Related Queries:

1. Retrieve the total number of elective courses offered in a semester.

```
798 SELECT COUNT(DISTINCT CourseID) AS TotalElectiveCourses
799 FROM Offered
800 WHERE Year = 2024 AND Semester = 1;
```

Data Output Messages Notifications



	totalelectivecourses bigint	
1	5	

2. Retrieve the total number of students enrolled in electives across all departments.

```
802 SELECT COUNT(DISTINCT StudentID) AS TotalStudentsEnrolled
803 FROM Enrollment;
```

Data Output Messages Notifications



	totalstudentsenrolled bigint	
1	27	

3. Retrieve the average number of students per elective course.

```
805 SELECT ROUND(AVG(student_count), 0) AS AvgStudentsPerCourse
806 FROM (
807     SELECT CourseID, COUNT(StudentID) AS student_count
808     FROM Enrollment
809     GROUP BY CourseID
810 ) AS course_enrollments;
```

Data Output Messages Notifications



	avgstudentspercourse numeric	
1	3	



4. Find students who have registered for the maximum number of electives allowed.

```

812 SELECT s.StudentID, u.Name, COUNT(e.CourseID) AS ElectivesTaken
813 FROM Enrollment e
814 JOIN Student s ON e.StudentID = s.StudentID
815 JOIN Users u ON s.StudentID = u.UID
816 GROUP BY s.StudentID, u.Name
817 ORDER BY ElectivesTaken DESC
818 LIMIT 10;

```

Data Output Messages Notifications

	studentid character varying (10)	name character varying (50)	electivestaken bigint
1	202101001	Aarav Patel	4
2	202201001	Aanya Verma	4
3	202201002	Arjun Joshi	4
4	202301002	Kiara Mehta	4
5	202301001	Advait Trivedi	4
6	202101002	Diya Sharma	4
7	202203001	Myra Bhatt	3
8	202211001	Aditi Nair	3
9	202203002	Reyansh Desai	3
10	202303001	Shaurya Rao	3

5. List course with labs / tutorials.

```

820 SELECT
821     CourseID,
822     CourseName,
823     CASE WHEN Tutorial THEN 'Yes' ELSE 'No' END AS HasTutorial,
824     CASE WHEN Labs THEN 'Yes' ELSE 'No' END AS HasLab
825 FROM Course
826 WHERE Tutorial = TRUE OR Labs = TRUE;

```

Data Output Messages Notifications

	courseid [PK] character varying (5)	coursename character varying (100)	hastutorial text	haslab text
1	GT01	Graph Theory and Algorithms	Yes	No
2	CC03	Computational Complexity	Yes	No
3	CD11	Compiler Design	Yes	Yes
4	SE24	Software Engineering	Yes	Yes
5	SN31	System and Network Security	Yes	Yes
6	NL22	Natural Language Processing	Yes	No
7	DM21	Data Mining and Visualization	Yes	Yes
8	OC05	Quantum Computing	Yes	Yes

## Rating Related Queries :

1. Top rated course with professor list in a particular semester and year

[Query](#) [Query History](#)

```
554 SELECT
555     c.CourseName,
556     p.Name AS ProfessorName,
557     ROUND(AVG(r.Overall_Rating)::numeric, 2) AS AverageRating
558 FROM Rating r
559 JOIN Course c ON r.CourseID = c.CourseID
560 JOIN Professor pr ON r.ProfID = pr.ProfID
561 JOIN Users p ON pr.ProfID = p.UID
562 JOIN Offered o ON r.CourseID = o.CourseID AND r.ProfID = o.ProfID
563 WHERE o.Year = 2023 AND o.Semester = 1
564 GROUP BY c.CourseName, p.Name
565 ORDER BY AverageRating DESC
566 LIMIT 2;
```

[Data Output](#) [Messages](#) [Notifications](#)

	coursename character varying (100)	professorname character varying (50)	averagerating numeric
1	Graph Theory and Algorithms	Manjunath V. Joshi	7.86
2	Quantum Computing	Pratim Roy	5.00

2. Most Difficult Course List

```
592 SELECT
593     c.CourseName,
594     ROUND(AVG(r.Course_Difficulty)::numeric, 2) AS AvgDifficulty
595 FROM Rating r
596 JOIN Course c ON r.CourseID = c.CourseID
597 GROUP BY c.CourseName
598 ORDER BY AvgDifficulty DESC
599 LIMIT 10;
```

[Data Output](#) [Messages](#) [Notifications](#)

	coursename character varying (100)	avgdifficulty numeric
1	Quantum Computing	9.00
2	Introduction to Cryptography	8.00
3	Wireless System Design	8.00
4	Deep Learning	8.00
5	Operating Systems	7.00
6	Modern Algebra	6.67

### 3. Most Useful Courses

```
601 SELECT c.CourseName, COUNT(p.CourseID) AS NumOfDependentCourses
602 FROM Prerequisite p
603 JOIN Course c ON p.Preq_CourseID = c.CourseID
604 GROUP BY c.CourseName
605 ORDER BY NumOfDependentCourses DESC
606 LIMIT 5;
```

Data Output Messages Notifications

	coursename character varying (100)	numofdependentcourses bigint
1	Graph Theory and Algorithms	4
2	Introduction to AI	3
3	Modern Algebra	3
4	Digital Signal Processing	2
5	Intro to Data Science	1

### 4. Course offering average grade above 8

```
SELECT
  c.CourseName,
  ROUND(AVG(
    CASE
      WHEN e.GradeReceived = 'AA' THEN 10
      WHEN e.GradeReceived = 'AB' THEN 9
      WHEN e.GradeReceived = 'BB' THEN 8
      WHEN e.GradeReceived = 'BC' THEN 7
      WHEN e.GradeReceived = 'CC' THEN 6
      WHEN e.GradeReceived = 'CD' THEN 5
      WHEN e.GradeReceived = 'DD' THEN 4
      WHEN e.GradeReceived = 'DE' THEN 3
      WHEN e.GradeReceived = 'F' THEN 0
      ELSE NULL
    END
  )::numeric, 2) AS AvgGrade
FROM Enrollment e
JOIN Course c ON e.CourseID = c.CourseID
GROUP BY c.CourseName
HAVING AVG(
  CASE
    WHEN e.GradeReceived = 'AA' THEN 10
    WHEN e.GradeReceived = 'AB' THEN 9
    WHEN e.GradeReceived = 'BB' THEN 8
    WHEN e.GradeReceived = 'BC' THEN 7
    WHEN e.GradeReceived = 'CC' THEN 6
    WHEN e.GradeReceived = 'CD' THEN 5
    WHEN e.GradeReceived = 'DD' THEN 4
    WHEN e.GradeReceived = 'DE' THEN 3
    WHEN e.GradeReceived = 'F' THEN 0
    ELSE NULL
  ) > 8
```

```

635         WHEN e.GradeReceived = 'DD' THEN 4
636         WHEN e.GradeReceived = 'DE' THEN 3
637         WHEN e.GradeReceived = 'F' THEN 0
638         ELSE NULL
639     END
640 ) > 8
641 ORDER BY AvgGrade DESC;

```

Data Output Messages Notifications

	coursename character varying (100)	avggrade numeric
1	Logic for Computer Science	10.00
2	Quantum Computing	9.00
3	Randomized Algorithms	9.00
4	Introduction to Robotics	9.00
5	Digital Signal Processing	9.00
6	Modern Algebra	9.00
7	Compiler Design	8.75

## 5. All ratings given by a particular student

```

644
645 SELECT c.CourseName, u.Name AS ProfessorName,
646        r.Course_Difficulty, r.Tutorial_Lab_Difficulty,
647        r.Project_Difficulty, r.Overall_Rating
648 FROM Rating r
649 JOIN Course c ON r.CourseID = c.CourseID
650 JOIN Professor p ON r.ProfID = p.ProfID
651 JOIN Users u ON p.ProfID = u.UID
652 WHERE r.StudentID = '202101001'
653 ORDER BY r.Overall_Rating DESC;
654
655
656
657
658
659

```

Data Output Messages Notifications

	coursename character varying (100)	professorname character varying (50)	course_difficulty integer	tutorial_lab_difficulty integer	project_difficulty integer	overall_rating integer
1	Graph Theory and Algorithms	Manjunath V. Joshi	6	5	7	8
2	Modern Algebra	Gopinath Panda	8	6	[null]	7
3	Introduction to AI	Prasenjit Majumder	7	6	8	7

## 6. All ratings of a particular course with its average rating

```

657 SELECT
658     c.CourseName,
659     u.Name AS ProfessorName,
660     r.Course_Difficulty,
661     r.Tutorial_Lab_Difficulty,
662     r.Project_Difficulty,
663     r.Overall_Rating
664 FROM Rating r
665 JOIN Course c ON r.CourseID = c.CourseID
666 JOIN Professor p ON r.ProfID = p.ProfID
667 JOIN Users u ON p.ProfID = u.UID
668 WHERE r.CourseID = 'GT01'
669
670 UNION ALL
671
672 -- Average rating for course GT01 (rounded to 2 decimal places)
673 SELECT
674     'Average for GT01' AS CourseName,
675     NULL AS ProfessorName,
676     NULL AS Course_Difficulty,
677     NULL AS Tutorial_Lab_Difficulty,
678     NULL AS Project_Difficulty,
679     ROUND(AVG(Overall_Rating)::numeric, 2) AS Overall_Rating
680 FROM Rating
681 WHERE CourseID = 'GT01'
682
683 ORDER BY ProfessorName NULLS LAST;

```

	coursename character varying	professorname character varying	course_difficulty integer	tutorial_lab_difficulty integer	project_difficulty integer	overall_rating numeric
1	Graph Theory and Algorithms	Manjunath V. Joshi	4	3	5	10
2	Graph Theory and Algorithms	Manjunath V. Joshi	7	6	8	7
3	Graph Theory and Algorithms	Manjunath V. Joshi	6	5	7	8
4	Graph Theory and Algorithms	Manjunath V. Joshi	8	7	9	6
5	Graph Theory and Algorithms	Manjunath V. Joshi	7	6	8	7
6	Graph Theory and Algorithms	Manjunath V. Joshi	5	4	6	9
7	Graph Theory and Algorithms	Manjunath V. Joshi	6	5	7	8
8	Average for GT01	[null]	[null]	[null]	[null]	7.86

### 7. Three most loved professors

```

684 SELECT
685     u.Name AS ProfessorName,
686     ROUND(AVG(r.Overall_Rating)::numeric, 2) AS AvgRating
687 FROM Rating r
688 JOIN Professor p ON r.ProfID = p.ProfID
689 JOIN Users u ON p.ProfID = u.UID
690 GROUP BY u.Name
691 ORDER BY AvgRating DESC
692 LIMIT 3;

```

Data Output Messages Notifications

	professorname character varying (50)	avgrating numeric
1	P M Jat	9.00
2	Prasenjit Majumder	8.33
3	Manjunath V. Joshi	7.86

### 8. Number of students with a particular grade in a specified course

```

694 SELECT
695     GradeReceived,
696     COUNT(*) AS NumberOfStudents
697 FROM Enrollment
698 WHERE CourseID = 'GT01' AND GradeReceived IS NOT NULL
699 GROUP BY GradeReceived
700 ORDER BY
701     CASE
702         WHEN GradeReceived = 'AA' THEN 1
703         WHEN GradeReceived = 'AB' THEN 2
704         WHEN GradeReceived = 'BB' THEN 3
705         WHEN GradeReceived = 'BC' THEN 4
706         WHEN GradeReceived = 'CC' THEN 5
707         WHEN GradeReceived = 'CD' THEN 6
708         WHEN GradeReceived = 'DD' THEN 7
709         WHEN GradeReceived = 'DE' THEN 8
710         WHEN GradeReceived = 'F' THEN 9
711         ELSE 10
712     END;
713

```

Data Output Messages Notifications

	gradereceived character varying (2)	numberofstudents bigint
1	AA	5
2	AB	2
3	BB	1
4	F	1

## SKILLS and PreRequisite Related Queries :

1. Skills acquired from a particular course

```
714 SELECT s.Skill_name
715 FROM Required r
716 JOIN Skills s ON r.Skill_ID = s.Skill_ID
717 WHERE r.CourseID = 'GT01';
```

Data Output Messages Notifications

SQL

	skill_name character varying (40)
1	Algorithm Design
2	Mathematical Modeling

2. Prerequisite required for a particular course

```
718
719 SELECT c.CourseName
720 FROM Prerequisite p
721 JOIN Course c ON p.Preq_CourseID = c.CourseID
722 WHERE p.CourseID = 'AA02';
```

Data Output Messages Notifications

SQL

	coursename character varying (100)
1	Graph Theory and Algorithms

3. List Courses based on Particular Skill

```
724 SELECT c.CourseName
725 FROM Required r
726 JOIN Course c ON r.CourseID = c.CourseID
727 JOIN Skills s ON r.Skill_ID = s.Skill_ID
728 WHERE s.Skill_name = 'Algorithm Design';
```

Data Output Messages Notifications

SQL

	coursename character varying (100)
1	Graph Theory and Algorithms

## Specialization Related Queries :

### 1. Professors with most specialization:


```
730 SELECT u.Name AS ProfessorName, COUNT(ps.Specialization) AS NumOfSpecializations
731 FROM Professor_Specialization ps
732 JOIN Professor p ON ps.ProfID = p.ProfID
733 JOIN Users u ON p.ProfID = u.UID
734 GROUP BY u.Name
735 ORDER BY NumOfSpecializations DESC
736 LIMIT 5;
737
738
```

Data Output


Messages

Notifications


≡+





▼




▼











SQL

Showing

	professorname character varying (50) 	numofspecializations bigint 
1	Bharani Kolipara	2
2	Tapas Kumar Maiti	2
3	Vinay Palaparthi	2
4	Madhumita Mazumdar	2
5	Prosenjit Kundu	2