Tables:
==
1.] Student Table

```
CREATE TABLE Students (
    StudentID INT PRIMARY KEY,
    FirstName VARCHAR(50),
    LastName VARCHAR(50),
    DateOfBirth DATE,
    Email VARCHAR(100),
    S_Number BIGINT,
    Parent_no BIGINT,
    Address VARCHAR(20),
    Gender VARCHAR(1) --M=male F=female
);
```

```
 studentid | firstname  | lastname  | dateofbirth |          email           |  s_number  | parent_no  |    address     | gender
-----------+------------+-----------+-------------+--------------------------+------------+------------+----------------+--------
   2371001 | Advait     | Pradhan   | 2000-05-15  | advaitpradhan@example.com | 1234567890 | 9876543210 | ShivajiNagar   | M
   2371002 | Kaushal    | Pawar     | 2002-04-20  | kaushalp@example.com     | 5678901234 | 5432109876 | Akurdi         | M
   2371003 | Isha       | Vaidya    | 2000-09-18  | isha.v@example.com       | 8901234567 | 2109876543 | Sahakarnagar   | F
   2371004 | Shambhavi  | Marne     | 2002-12-04  | sham.m@example.com       | 9012345678 | 1230987654 | Kothrud        | F
   2371005 | Riya       | Kedari    | 2001-04-03  | riya.k@example.com       | 5678901234 | 6543210987 | Shanivar Peth  | F
   2371006 | Prathamesh | Shinde    | 2000-10-08  | prathamesh.s@example.com | 3456789012 | 8765432109 | Akurdi         | M
   2371007 | Pushkar    | Oli       | 2003-09-05  | pushkar.o@example.com    | 8901234567 | 3210987654 | Pashan         | M
   2371008 | Mahek      | Patel     | 2001-02-28  | Mahek.p@example.com      | 2345678901 | 8765432109 | Shanivar Peth  | F
   2371009 | Jatin      | Joshi     | 2000-06-30  | jatin.j@example.com      | 3456789012 | 9876543210 | Sahakarnagar   | M
   2371010 | Akanksha   | Pimparkar | 2003-03-29  | akanksha.p@example.com   | 7890123456 | 3210987654 | Sahakarnagar   | F
(10 rows)
```

==
2.] Professor Table

```
CREATE TABLE Professors (
    ProfessorID INT PRIMARY KEY,
    FirstName VARCHAR(50),
    LastName VARCHAR(50),
    Qualifications VARCHAR(50),
    Email VARCHAR(100),
    P_number BIGINT,
    Address VARCHAR(20),
    Gender VARCHAR(1)
);
```

```
 professorid | firstname | lastname | qualifications |          email           | p_number  |    address    | gender
-------------+-----------+----------+----------------+--------------------------+-----------+---------------+--------
```

```
      1 | Amit      | Sharma    | Ph.D             | amit.sharma@example.com   | 1234567890 | Shivajinagar   | M
      2 | Smita     | Patil     | Double Ph.D      | smita.patil@example.com   | 2345678901 | Aundh          | F
      3 | Rajiv     | Gupta     | Post Graduation  | rajiv.gupta@example.com   | 3456789012 | Aundh          | M
      4 | Neelam    | Verma     | Double Ph.D      | neelam.verma@example.com  | 4567890123 | Shivajinagar   | F
      5 | Anjali    | Rajput    | Post Graduation  | anjali.rajput@example.com | 5678901234 | Shivajinagar   | F
      6 | Vikram    | Joshi     | Ph.D             | vikram.joshi@example.com  | 6789012345 | Baudhan        | M
      7 | Preeti    | Dave      | Post Graduation  | preeti,dave@example.com   | 7890123456 | Sahakarnagar   | F
      8 | Rahul     | Kumar     | Graduation       | rahul.kumar@example.com   | 8901234567 | Sahakarnagar   | M
      9 | Neha      | Mishra    | Double Ph.D      | neha.mishra@example.com   | 9012345678 | Shanivar Peth  | F
     10 | Suresh    | Shukla    | Ph.D             | suresh.shukla@example.com | 9876543210 | Shivajinagar   | M
(10 rows)
```

===

3.] Course_Details Table

```
CREATE TABLE Course_Details(
    SemID VARCHAR(10),
    CourseID VARCHAR(20) PRIMARY KEY,
    SubjectName VARCHAR(100),
    CourseName VARCHAR(50),
    ProfessorID INT,
    StartDate DATE,
    ExamDate DATE,
    FOREIGN KEY(ProfessorID) REFERENCES Professors(ProfessorID)
);
```

```
semid | courseid |          subjectname          |   coursename     | professorid | startdate  |  examdate
-------+----------+-------------------------------+------------------+-------------+------------+------------
Sem_1 | CS101    | Electronics                   | Computer Science |           1 | 2023-07-15 | 2023-11-10
Sem_1 | CS102    | Mathematics                   | Computer Science |           2 | 2023-07-15 | 2023-11-11
Sem_1 | CS103    | Computer Science              | Computer Science |           3 | 2023-07-15 | 2023-11-12
Sem_1 | CS104    | Statistics                    | Computer Science |           4 | 2023-07-15 | 2023-11-13
Sem_1 | CS105    | Data Structures and Algorithms| Computer Science |           5 | 2023-07-15 | 2023-11-14
Sem_1 | MB101    | Molecular Biology             | Microbiology     |          10 | 2023-07-10 | 2023-11-15
Sem_1 | MB102    | Cancer Biology                | Microbiology     |           8 | 2023-07-10 | 2023-11-16
Sem_1 | MB103    | rDNA Technology               | Microbiology     |           4 | 2023-07-10 | 2023-11-17
Sem_1 | MB104    | Ecology                       | Microbiology     |           9 | 2023-07-10 | 2023-11-18
Sem_1 | MB105    | Industrial Microbiology       | Microbiology     |           9 | 2023-07-10 | 2023-11-19
Sem_1 | H101     | Ancient Civilizations         | History          |           5 | 2023-07-01 | 2023-11-01
Sem_1 | H102     | World History                 | History          |           7 | 2023-07-01 | 2023-11-02
Sem_1 | MAT101   | Calculus I                    | Mathematics      |           6 | 2023-08-15 | 2023-12-10
Sem_1 | MAT102   | Linear Algebra                | Mathematics      |           6 | 2023-08-15 | 2023-12-11
Sem_1 | MAT103   | Probability and Statistics    | Mathematics      |           4 | 2023-08-15 | 2023-12-12
Sem_2 | CS201    | Electronics                   | Computer Science |           1 | 2023-12-15 | 2024-04-20
Sem_2 | CS202    | Mathematics                   | Computer Science |           2 | 2023-12-15 | 2024-04-21
Sem_2 | CS203    | Computer Science              | Computer Science |           3 | 2023-12-15 | 2024-04-22
Sem_2 | CS204    | Statistics                    | Computer Science |           4 | 2023-12-15 | 2024-04-23
```

```
 Sem_2 | MB201  | Molecular Biology        | Microbiology     |       10 | 2023-12-10 | 2024-04-24
 Sem_2 | MB202  | Cancer Biology           | Microbiology     |        8 | 2023-12-10 | 2024-04-25
 Sem_2 | MB203  | rDNA Technology          | Microbiology     |        4 | 2023-12-10 | 2024-04-26
 Sem_2 | MB204  | Ecology                  | Microbiology     |        9 | 2023-12-10 | 2024-04-27
 Sem_2 | H201   | Ancient Civilizations    | History          |        5 | 2023-12-01 | 2024-04-11
 Sem_2 | H202   | World History            | History          |        7 | 2023-12-01 | 2024-04-12
 Sem_2 | MAT201 | Calculus I               | Mathematics      |        6 | 2024-01-15 | 2024-05-19
 Sem_2 | MAT202 | Linear Algebra           | Mathematics      |        6 | 2024-01-15 | 2024-05-20
 Sem_2 | MAT203 | Probability and Statistics | Mathematics    |        4 | 2024-01-15 | 2024-05-21
 Sem_3 | CS301  | Electronics              | Computer Science |        1 | 2024-07-15 | 2024-11-11
 Sem_3 | CS302  | Mathematics              | Computer Science |        2 | 2024-07-15 | 2024-11-12
 Sem_3 | CS303  | Computer Science         | Computer Science |        3 | 2024-07-15 | 2024-11-13
 Sem_3 | MB301  | Molecular Biology        | Microbiology     |       10 | 2024-07-10 | 2024-11-14
 Sem_3 | MB302  | Cancer Biology           | Microbiology     |        8 | 2024-07-10 | 2024-11-15
 Sem_3 | MB303  | rDNA Technology          | Microbiology     |        4 | 2024-07-10 | 2024-11-16
 Sem_3 | H301   | Ancient Civilizations    | History          |        5 | 2024-07-01 | 2024-11-01
 Sem_3 | H302   | World History            | History          |        7 | 2024-07-01 | 2024-11-02
 Sem_3 | MAT301 | Calculus I               | Mathematics      |        6 | 2024-08-15 | 2024-12-10
 Sem_3 | MAT302 | Linear Algebra           | Mathematics      |        6 | 2024-08-15 | 2024-12-11
 Sem_4 | CS401  | Electronics              | Computer Science |        1 | 2024-12-15 | 2025-04-21
 Sem_4 | CS402  | Mathematics              | Computer Science |        2 | 2024-12-15 | 2025-04-22
 Sem_4 | MB401  | Molecular Biology        | Microbiology     |       10 | 2024-12-10 | 2025-04-23
 Sem_4 | MB402  | Cancer Biology           | Microbiology     |        8 | 2024-12-10 | 2025-04-24
 Sem_4 | H401   | Ancient Civilizations    | History          |        5 | 2024-12-01 | 2025-04-11
 Sem_4 | H402   | World History            | History          |        7 | 2024-12-01 | 2025-04-12
 Sem_4 | MAT401 | Calculus I               | Mathematics      |        6 | 2025-01-15 | 2025-05-21
 Sem_4 | MAT402 | Linear Algebra           | Mathematics      |        6 | 2025-01-15 | 2025-05-22
(46 rows)
```

==

4.]Student_Course Table

```
CREATE TABLE Student_course(
  StudentID INT,
  Course VARCHAR(20),
  FOREIGN KEY (StudentID) REFERENCES Students(StudentID)
);
```

```
 studentid |      course
-----------+------------------
   2371001 | Computer Science
   2371002 | Computer Science
   2371003 | Microbiology
   2371004 | Microbiology
   2371005 | Microbiology
   2371006 | History
   2371007 | History
   2371008 | Mathematics
```

```
    2371009 | Mathematics
    2371010 | Mathematics
(10 rows)
```

==
5.]Semwise_Marks Tables

```
CREATE TABLE Semwise_marks(
    StudentID INT,
    Sem1_Regu VARCHAR(10),
    Marks_1 INT,
    Sem2_Regu VARCHAR(10),
    Marks_2 INT,
    Sem3_Regu VARCHAR(10),
    Marks_3 INT,
    Sem4_Regu VARCHAR(10),
    Marks_4 INT,
    FOREIGN KEY (StudentID) REFERENCES Students(StudentID),
    FOREIGN KEY (Sem1_Regu) REFERENCES Course_Details(CourseID),
    FOREIGN KEY (Sem2_Regu) REFERENCES Course_Details(CourseID),
    FOREIGN KEY (Sem3_Regu) REFERENCES Course_Details(CourseID),
    FOREIGN KEY (Sem4_Regu) REFERENCES Course_Details(CourseID)
);
```

studentid	sem1_regu	marks_1	sem2_regu	marks_2	sem3_regu	marks_3	sem4_regu	marks_4
2371001	CS101	52	CS201	74	CS301	87	CS401	81
2371001	CS102	83	CS202	51	CS302	16	CS401	96
2371001	CS103	75	CS203	78	CS303	24		
2371001	CS104	70	CS204	86				
2371001	CS105	97						
2371002	CS101	49	CS201	77	CS301	84	CS401	87
2371002	CS102	15	CS202	50	CS302	48	CS402	86
2371002	CS103	61	CS203	75	CS303	74		
2371002	CS104	69	CS204	94				
2371002	CS105	15						
2371003	MB101	49	MB201	32	MB301	63	MB401	92
2371003	MB102	96	MB202	80	MB302	53	MB402	91
2371003	MB103	59	MB203	32	MB303	86		
2371003	MB104	79	MB204	71				
2371003	MB105	80						
2371004	MB101	77	MB201	81	MB301	54	MB401	86
2371004	MB102	89	MB202	8	MB302	14	MB402	8
2371004	MB103	61	MB203	84	MB303	89		
2371004	MB104	96	MB204	82				

```
 2371004 | MB105   |       58 |         |       |         |       |         |       |         |
         |         |          |         |       |         |       |         |       |         |
 2371005 | MB101   |        7 | MB201   |    69 | MB301   |    78 | MB401   |    89 |
 2371005 | MB102   |       70 | MB202   |    74 | MB302   |    98 | MB402   |    86 |
 2371005 | MB103   |       83 | MB203   |    94 | MB303   |    70 |         |       |
 2371005 | MB104   |       69 | MB204   |    65 |         |       |         |       |
 2371005 | MB105   |       94 |         |       |         |       |         |       |
         |         |          |         |       |         |       |         |       |
 2371006 | H101    |       72 | H201    |    52 | H301    |    74 | H401    |    69 |
 2371006 | H102    |       55 | H202    |    62 | H302    |     6 | H402    |    69 |
         |         |          |         |       |         |       |         |       |
 2371007 | H101    |       80 | H201    |    79 | H301    |    87 | H401    |    89 |
 2371007 | H102    |       78 | H202    |    68 | H302    |    55 | H402    |    98 |
         |         |          |         |       |         |       |         |       |
 2371008 | MAT101  |       70 | MAT201  |    86 | MAT301  |    87 | MAT401  |    86 |
 2371008 | MAT102  |       89 | MAT202  |     8 | MAT302  |    72 | MAT402  |    98 |
 2371008 | MAT103  |       90 | MAT203  |    95 |         |       |         |       |
         |         |          |         |       |         |       |         |       |
 2371009 | MAT101  |       90 | MAT201  |    97 | MAT301  |    99 | MAT401  |   100 |
 2371009 | MAT102  |       99 | MAT202  |    90 | MAT302  |    89 | MAT402  |    98 |
 2371009 | MAT103  |       97 | MAT203  |    75 |         |       |         |       |
         |         |          |         |       |         |       |         |       |
 2371010 | MAT101  |       65 | MAT201  |    50 | MAT301  |    78 | MAT401  |    95 |
 2371010 | MAT102  |       67 | MAT202  |    78 | MAT302  |    57 | MAT402  |    84 |
 2371010 | MAT103  |        8 | MAT203  |    96 |         |       |         |       |
(47 rows)
```

==
6.] Backlog Table

```sql
CREATE TABLE Backlog(
    StudentID INT,
    Sem1_Back VARCHAR(10),
    Marks_1 INT,
    Sem2_Back VARCHAR(10),
    Marks_2 INT,
    Sem3_Back VARCHAR(10),
    Marks_3 INT,
    Sem4_Back VARCHAR(10),
    Marks_4 INT,
    FOREIGN KEY (StudentID) REFERENCES Students(StudentID),
    FOREIGN KEY (Sem1_Back) REFERENCES Course_Details(CourseID),
    FOREIGN KEY (Sem2_Back) REFERENCES Course_Details(CourseID),
    FOREIGN KEY (Sem3_Back) REFERENCES Course_Details(CourseID),
    FOREIGN KEY (Sem4_Back) REFERENCES Course_Details(CourseID)
);
```


 studentid | sem1_back | marks_1 | sem2_back | marks_2 | sem3_back | marks_3 | sem4_back | marks_4

2371001					CS302	87		
2371001					CS303	50		
2371002	CS102	98						
2371002	CS105	67						
2371003			MB201	68				
2371003			MB203	86				
2371004			MB202	57	MB302	73	MB402	80
2371005	MB101	70						
2371005					MB302	85		
2371006					H302	60		
2371008			MAT202	87				
2371010	MAT103	78						

(12 rows)

==

7.]Semwise_Result Table

```
CREATE TABLE Results_SemWise(
ResultID INT ,
StudentID INT,
Sem1_per DECIMAL(5, 2),
Back1_per DECIMAL(5,2),
Sem2_per DECIMAL(5, 2),
Back2_per DECIMAL(5,2),
Sem3_per DECIMAL(5, 2),
Back3_per DECIMAL(5,2),
Sem4_per DECIMAL(5, 2),
Back4_per DECIMAL(5,2),
FOREIGN KEY (StudentID) REFERENCES Students(StudentID)
);
```

resultid	studentid	sem1_per	back1_per	sem2_per	back2_per	sem3_per	back3_per	sem4_per	back4_per
2200501	2371001	75.40		72.25		42.34	74.67	88.50	
2200502	2371002	41.80	68.80	74.00		68.67		86.50	
2200503	2371003	72.60		53.75	76.25	67.34		91.50	
2200504	2371004	76.20		63.75	76.00	51.34	72.00	47.00	83.00
2200505	2371005	64.60	77.20	75.50		82.00		87.50	
2200506	2371006	63.50		57.00		40.00	67.00	69.00	
2200507	2371007	79.00		73.50		71.00		93.50	
2200508	2371008	83.00		63.00	89.34	79.50		92.00	
2200509	2371009	95.34		87.34		94.00		99.00	
2200510	2371010	46.67	70.00	74.67		67.50		89.50	

(10 rows)

==

8.]Integreted Table

```
CREATE TABLE Integreted_result(
ResultID INT,
StudentID INT,
Cerdits INT,
Final_per DECIMAL(5,2),
FOREIGN KEY(StudentID) REFERENCES Students(StudentID)
);
```

```
 resultid | studentid | cerdits | final_per
----------+-----------+---------+-----------
  2200501 |   2371001 |      96 |     77.70
  2200502 |   2371002 |      96 |     74.49
  2200503 |   2371003 |      96 |     76.93
  2200504 |   2371004 |      96 |     76.80
  2200505 |   2371005 |      96 |     80.55
  2200506 |   2371006 |      96 |     64.12
  2200507 |   2371007 |      96 |     79.25
  2200508 |   2371008 |      96 |     85.96
  2200509 |   2371009 |      96 |     93.92
  2200510 |   2371010 |      96 |     75.42
(10 rows)
```

==
10.] V1 Table
```
CREATE VIEW V2 AS SELECT Students.StudentID,
    CONCAT(Students.FirstName, ' ', Students.LastName) AS StudentName,
    Course_Details.CourseID,
    Course_Details.CourseName,
    Course_Details.StartDate,
    Course_Details.ExamDate
FROM Students
JOIN Student_course ON Students.StudentID = Student_course.StudentID
JOIN Course_Details ON Student_course.Course = Course_Details.CourseName
GROUP BY
    Students.StudentID,
    Course_Details.CourseID
HAVING COUNT(Course_Details.CourseID)<2
ORDER BY
    Students.StudentID ASC,
    Course_Details.CourseID;
```

```
 semid | courseid |      subjectname       |  coursename  | professorid | startdate  |  examdate
-------+----------+------------------------+--------------+-------------+------------+-----------
 Sem_1 | MB101    | Molecular Biology      | Microbiology |          10 | 2023-07-10 | 2023-11-15
 Sem_1 | MB102    | Cancer Biology         | Microbiology |           8 | 2023-07-10 | 2023-11-16
 Sem_1 | MB103    | rDNA Technology        | Microbiology |           4 | 2023-07-10 | 2023-11-17
```

```
Sem_1 | MB104    | Ecology                | Microbiology |  9 | 2023-07-10 | 2023-11-18
Sem_1 | MB105    | Industrial Microbiology | Microbiology |  9 | 2023-07-10 | 2023-11-19
Sem_2 | MB201    | Molecular Biology      | Microbiology | 10 | 2023-12-10 | 2024-04-24
Sem_2 | MB202    | Cancer Biology         | Microbiology |  8 | 2023-12-10 | 2024-04-25
Sem_2 | MB203    | rDNA Technology        | Microbiology |  4 | 2023-12-10 | 2024-04-26
Sem_2 | MB204    | Ecology                | Microbiology |  9 | 2023-12-10 | 2024-04-27
Sem_3 | MB301    | Molecular Biology      | Microbiology | 10 | 2024-07-10 | 2024-11-14
Sem_3 | MB302    | Cancer Biology         | Microbiology |  8 | 2024-07-10 | 2024-11-15
Sem_3 | MB303    | rDNA Technology        | Microbiology |  4 | 2024-07-10 | 2024-11-16
Sem_4 | MB401    | Molecular Biology      | Microbiology | 10 | 2024-12-10 | 2025-04-23
Sem_4 | MB402    | Cancer Biology         | Microbiology |  8 | 2024-12-10 | 2025-04-24
(14 rows)
```

==

10.] V2 Table

```
CREATE VIEW V2 AS SELECT Students.StudentID,
    CONCAT(Students.FirstName, ' ', Students.LastName) AS StudentName,
    Course_Details.CourseID,
    Course_Details.CourseName,
    Course_Details.StartDate,
    Course_Details.ExamDate
FROM Students
JOIN Student_course ON Students.StudentID = Student_course.StudentID
JOIN Course_Details ON Student_course.Course = Course_Details.CourseName
GROUP BY
    Students.StudentID,
    Course_Details.CourseID
HAVING COUNT(Course_Details.CourseID)<2
ORDER BY
    Students.StudentID ASC,
    Course_Details.CourseID;
```

```
 studentid |    studentname     | courseid |   coursename     | startdate  |  examdate
-----------+--------------------+----------+------------------+------------+------------
   2371001 | Advait Pradhan     | CS101    | Computer Science | 2023-07-15 | 2023-11-10
   2371001 | Advait Pradhan     | CS102    | Computer Science | 2023-07-15 | 2023-11-11
   2371001 | Advait Pradhan     | CS103    | Computer Science | 2023-07-15 | 2023-11-12
   2371001 | Advait Pradhan     | CS104    | Computer Science | 2023-07-15 | 2023-11-13
   2371001 | Advait Pradhan     | CS105    | Computer Science | 2023-07-15 | 2023-11-14
   2371001 | Advait Pradhan     | CS201    | Computer Science | 2023-12-15 | 2024-04-20
   2371001 | Advait Pradhan     | CS202    | Computer Science | 2023-12-15 | 2024-04-21
   2371001 | Advait Pradhan     | CS203    | Computer Science | 2023-12-15 | 2024-04-22
   2371001 | Advait Pradhan     | CS204    | Computer Science | 2023-12-15 | 2024-04-23
   2371001 | Advait Pradhan     | CS301    | Computer Science | 2024-07-15 | 2024-11-11
   2371001 | Advait Pradhan     | CS302    | Computer Science | 2024-07-15 | 2024-11-12
   2371001 | Advait Pradhan     | CS303    | Computer Science | 2024-07-15 | 2024-11-13
   2371001 | Advait Pradhan     | CS401    | Computer Science | 2024-12-15 | 2025-04-21
```

```
2371001 | Advait Pradhan    | CS402 | Computer Science | 2024-12-15 | 2025-04-22
2371002 | Kaushal Pawar     | CS101 | Computer Science | 2023-07-15 | 2023-11-10
2371002 | Kaushal Pawar     | CS102 | Computer Science | 2023-07-15 | 2023-11-11
2371002 | Kaushal Pawar     | CS103 | Computer Science | 2023-07-15 | 2023-11-12
2371002 | Kaushal Pawar     | CS104 | Computer Science | 2023-07-15 | 2023-11-13
2371002 | Kaushal Pawar     | CS105 | Computer Science | 2023-07-15 | 2023-11-14
2371002 | Kaushal Pawar     | CS201 | Computer Science | 2023-12-15 | 2024-04-20
2371002 | Kaushal Pawar     | CS202 | Computer Science | 2023-12-15 | 2024-04-21
2371002 | Kaushal Pawar     | CS203 | Computer Science | 2023-12-15 | 2024-04-22
2371002 | Kaushal Pawar     | CS204 | Computer Science | 2023-12-15 | 2024-04-23
2371002 | Kaushal Pawar     | CS301 | Computer Science | 2024-07-15 | 2024-11-11
2371002 | Kaushal Pawar     | CS302 | Computer Science | 2024-07-15 | 2024-11-12
2371002 | Kaushal Pawar     | CS303 | Computer Science | 2024-07-15 | 2024-11-13
2371002 | Kaushal Pawar     | CS401 | Computer Science | 2024-12-15 | 2025-04-21
2371002 | Kaushal Pawar     | CS402 | Computer Science | 2024-12-15 | 2025-04-22
2371003 | Isha Vaidya       | MB101 | Microbiology     | 2023-07-10 | 2023-11-15
2371003 | Isha Vaidya       | MB102 | Microbiology     | 2023-07-10 | 2023-11-16
2371003 | Isha Vaidya       | MB103 | Microbiology     | 2023-07-10 | 2023-11-17
2371003 | Isha Vaidya       | MB104 | Microbiology     | 2023-07-10 | 2023-11-18
2371003 | Isha Vaidya       | MB105 | Microbiology     | 2023-07-10 | 2023-11-19
2371003 | Isha Vaidya       | MB201 | Microbiology     | 2023-12-10 | 2024-04-24
2371003 | Isha Vaidya       | MB202 | Microbiology     | 2023-12-10 | 2024-04-25
2371003 | Isha Vaidya       | MB203 | Microbiology     | 2023-12-10 | 2024-04-26
2371003 | Isha Vaidya       | MB204 | Microbiology     | 2023-12-10 | 2024-04-27
2371003 | Isha Vaidya       | MB301 | Microbiology     | 2024-07-10 | 2024-11-14
2371003 | Isha Vaidya       | MB302 | Microbiology     | 2024-07-10 | 2024-11-15
2371003 | Isha Vaidya       | MB303 | Microbiology     | 2024-07-10 | 2024-11-16
2371003 | Isha Vaidya       | MB401 | Microbiology     | 2024-12-10 | 2025-04-23
2371003 | Isha Vaidya       | MB402 | Microbiology     | 2024-12-10 | 2025-04-24
2371004 | Shambhavi Marne   | MB101 | Microbiology     | 2023-07-10 | 2023-11-15
2371004 | Shambhavi Marne   | MB102 | Microbiology     | 2023-07-10 | 2023-11-16
2371004 | Shambhavi Marne   | MB103 | Microbiology     | 2023-07-10 | 2023-11-17
2371004 | Shambhavi Marne   | MB104 | Microbiology     | 2023-07-10 | 2023-11-18
2371004 | Shambhavi Marne   | MB105 | Microbiology     | 2023-07-10 | 2023-11-19
2371004 | Shambhavi Marne   | MB201 | Microbiology     | 2023-12-10 | 2024-04-24
2371004 | Shambhavi Marne   | MB202 | Microbiology     | 2023-12-10 | 2024-04-25
2371004 | Shambhavi Marne   | MB203 | Microbiology     | 2023-12-10 | 2024-04-26
2371004 | Shambhavi Marne   | MB204 | Microbiology     | 2023-12-10 | 2024-04-27
2371004 | Shambhavi Marne   | MB301 | Microbiology     | 2024-07-10 | 2024-11-14
2371004 | Shambhavi Marne   | MB302 | Microbiology     | 2024-07-10 | 2024-11-15
2371004 | Shambhavi Marne   | MB303 | Microbiology     | 2024-07-10 | 2024-11-16
2371004 | Shambhavi Marne   | MB401 | Microbiology     | 2024-12-10 | 2025-04-23
2371004 | Shambhavi Marne   | MB402 | Microbiology     | 2024-12-10 | 2025-04-24
2371005 | Riya Kedari       | MB101 | Microbiology     | 2023-07-10 | 2023-11-15
2371005 | Riya Kedari       | MB102 | Microbiology     | 2023-07-10 | 2023-11-16
2371005 | Riya Kedari       | MB103 | Microbiology     | 2023-07-10 | 2023-11-17
2371005 | Riya Kedari       | MB104 | Microbiology     | 2023-07-10 | 2023-11-18
2371005 | Riya Kedari       | MB105 | Microbiology     | 2023-07-10 | 2023-11-19
2371005 | Riya Kedari       | MB201 | Microbiology     | 2023-12-10 | 2024-04-24
2371005 | Riya Kedari       | MB202 | Microbiology     | 2023-12-10 | 2024-04-25
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2371005 | Riya Kedari        | MB203  | Microbiology | 2023-12-10 | 2024-04-26
2371005 | Riya Kedari        | MB204  | Microbiology | 2023-12-10 | 2024-04-27
2371005 | Riya Kedari        | MB301  | Microbiology | 2024-07-10 | 2024-11-14
2371005 | Riya Kedari        | MB302  | Microbiology | 2024-07-10 | 2024-11-15
2371005 | Riya Kedari        | MB303  | Microbiology | 2024-07-10 | 2024-11-16
2371005 | Riya Kedari        | MB401  | Microbiology | 2024-12-10 | 2025-04-23
2371005 | Riya Kedari        | MB402  | Microbiology | 2024-12-10 | 2025-04-24
2371006 | Prathamesh Shinde  | H101   | History      | 2023-07-01 | 2023-11-01
2371006 | Prathamesh Shinde  | H102   | History      | 2023-07-01 | 2023-11-02
2371006 | Prathamesh Shinde  | H201   | History      | 2023-12-01 | 2024-04-11
2371006 | Prathamesh Shinde  | H202   | History      | 2023-12-01 | 2024-04-12
2371006 | Prathamesh Shinde  | H301   | History      | 2024-07-01 | 2024-11-01
2371006 | Prathamesh Shinde  | H302   | History      | 2024-07-01 | 2024-11-02
2371006 | Prathamesh Shinde  | H401   | History      | 2024-12-01 | 2025-04-11
2371006 | Prathamesh Shinde  | H402   | History      | 2024-12-01 | 2025-04-12
2371007 | Pushkar Oli        | H101   | History      | 2023-07-01 | 2023-11-01
2371007 | Pushkar Oli        | H102   | History      | 2023-07-01 | 2023-11-02
2371007 | Pushkar Oli        | H201   | History      | 2023-12-01 | 2024-04-11
2371007 | Pushkar Oli        | H202   | History      | 2023-12-01 | 2024-04-12
2371007 | Pushkar Oli        | H301   | History      | 2024-07-01 | 2024-11-01
2371007 | Pushkar Oli        | H302   | History      | 2024-07-01 | 2024-11-02
2371007 | Pushkar Oli        | H401   | History      | 2024-12-01 | 2025-04-11
2371007 | Pushkar Oli        | H402   | History      | 2024-12-01 | 2025-04-12
2371008 | Mahek Patel        | MAT101 | Mathematics  | 2023-08-15 | 2023-12-10
2371008 | Mahek Patel        | MAT102 | Mathematics  | 2023-08-15 | 2023-12-11
2371008 | Mahek Patel        | MAT103 | Mathematics  | 2023-08-15 | 2023-12-12
2371008 | Mahek Patel        | MAT201 | Mathematics  | 2024-01-15 | 2024-05-19
2371008 | Mahek Patel        | MAT202 | Mathematics  | 2024-01-15 | 2024-05-20
2371008 | Mahek Patel        | MAT203 | Mathematics  | 2024-01-15 | 2024-05-21
2371008 | Mahek Patel        | MAT301 | Mathematics  | 2024-08-15 | 2024-12-10
2371008 | Mahek Patel        | MAT302 | Mathematics  | 2024-08-15 | 2024-12-11
2371008 | Mahek Patel        | MAT401 | Mathematics  | 2025-01-15 | 2025-05-21
2371008 | Mahek Patel        | MAT402 | Mathematics  | 2025-01-15 | 2025-05-22
2371009 | Jatin Joshi        | MAT101 | Mathematics  | 2023-08-15 | 2023-12-10
2371009 | Jatin Joshi        | MAT102 | Mathematics  | 2023-08-15 | 2023-12-11
2371009 | Jatin Joshi        | MAT103 | Mathematics  | 2023-08-15 | 2023-12-12
2371009 | Jatin Joshi        | MAT201 | Mathematics  | 2024-01-15 | 2024-05-19
2371009 | Jatin Joshi        | MAT202 | Mathematics  | 2024-01-15 | 2024-05-20
2371009 | Jatin Joshi        | MAT203 | Mathematics  | 2024-01-15 | 2024-05-21
2371009 | Jatin Joshi        | MAT301 | Mathematics  | 2024-08-15 | 2024-12-10
2371009 | Jatin Joshi        | MAT302 | Mathematics  | 2024-08-15 | 2024-12-11
2371009 | Jatin Joshi        | MAT401 | Mathematics  | 2025-01-15 | 2025-05-21
2371009 | Jatin Joshi        | MAT402 | Mathematics  | 2025-01-15 | 2025-05-22
2371010 | Akanksha Pimparkar | MAT101 | Mathematics  | 2023-08-15 | 2023-12-10
2371010 | Akanksha Pimparkar | MAT102 | Mathematics  | 2023-08-15 | 2023-12-11
2371010 | Akanksha Pimparkar | MAT103 | Mathematics  | 2023-08-15 | 2023-12-12
2371010 | Akanksha Pimparkar | MAT201 | Mathematics  | 2024-01-15 | 2024-05-19
2371010 | Akanksha Pimparkar | MAT202 | Mathematics  | 2024-01-15 | 2024-05-20
2371010 | Akanksha Pimparkar | MAT203 | Mathematics  | 2024-01-15 | 2024-05-21
2371010 | Akanksha Pimparkar | MAT301 | Mathematics  | 2024-08-15 | 2024-12-10
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   2371010 | Akanksha Pimparkar | MAT302    | Mathematics        | 2024-08-15 | 2024-12-11
   2371010 | Akanksha Pimparkar | MAT401    | Mathematics        | 2025-01-15 | 2025-05-21
   2371010 | Akanksha Pimparkar | MAT402    | Mathematics        | 2025-01-15 | 2025-05-22
(116 rows)
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11.] V1 Veiw

CREATE view v1 as SELECT I.Final_per from Integreted_result I,Student_course T where T.Course='History' and T.StudentID=I.StudentID;
CREATE VIEW
SELECT * from v1;
final_per
-----------
      64.12
      79.25
```

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12.] V2 Veiw

CREATE view v2 as SELECT P.* , CONCAT(I.Final_per) as result
from Professors P,Integreted_result I,Student_course T,Course_Details C
where I.StudentID=T.StudentID and T.Course=C.CourseName and C.ProfessorID=P.ProfessorID
group by P.ProfessorID,result
having count(C.ProfessorID)>1;

CREATE VIEW
select * from v2;
```

professorid	firstname	lastname	qualifications	email	p_number	address	gender	result
1	Amit	Sharma	Ph.D	amit.sharma@example.com	1234567890	Shivajinagar	M	74.49
1	Amit	Sharma	Ph.D	amit.sharma@example.com	1234567890	Shivajinagar	M	77.70
2	Smita	Patil	Double Ph.D	smita.patil@example.com	2345678901	Aundh	F	74.49
2	Smita	Patil	Double Ph.D	smita.patil@example.com	2345678901	Aundh	F	77.70
3	Rajiv	Gupta	Post Graduation	rajiv.gupta@example.com	3456789012	Aundh	M	74.49
3	Rajiv	Gupta	Post Graduation	rajiv.gupta@example.com	3456789012	Aundh	M	77.70
4	Neelam	Verma	Double Ph.D	neelam.verma@example.com	4567890123	Shivajinagar	F	74.49
4	Neelam	Verma	Double Ph.D	neelam.verma@example.com	4567890123	Shivajinagar	F	75.42
4	Neelam	Verma	Double Ph.D	neelam.verma@example.com	4567890123	Shivajinagar	F	76.80
4	Neelam	Verma	Double Ph.D	neelam.verma@example.com	4567890123	Shivajinagar	F	76.93
4	Neelam	Verma	Double Ph.D	neelam.verma@example.com	4567890123	Shivajinagar	F	77.70
4	Neelam	Verma	Double Ph.D	neelam.verma@example.com	4567890123	Shivajinagar	F	80.55
4	Neelam	Verma	Double Ph.D	neelam.verma@example.com	4567890123	Shivajinagar	F	85.96
4	Neelam	Verma	Double Ph.D	neelam.verma@example.com	4567890123	Shivajinagar	F	93.92
5	Anjali	Rajput	Post Graduation	anjali.rajput@example.com	5678901234	Shivajinagar	F	64.12
5	Anjali	Rajput	Post Graduation	anjali.rajput@example.com	5678901234	Shivajinagar	F	79.25
6	Vikram	Joshi	Ph.D	vikram.yadav@example.com	6789012345	Baudhan	M	75.42
6	Vikram	Joshi	Ph.D	vikram.yadav@example.com	6789012345	Baudhan	M	85.96
6	Vikram	Joshi	Ph.D	vikram.yadav@example.com	6789012345	Baudhan	M	93.92

7	Preeti	Dave	Post Graduation	kavita.joshi@example.com	7890123456	Sahakarnagar	F	64.12
7	Preeti	Dave	Post Graduation	kavita.joshi@example.com	7890123456	Sahakarnagar	F	79.25
8	Rahul	Kumar	Graduation	rahul.kumar@example.com	8901234567	Sahakarnagar	M	76.80
8	Rahul	Kumar	Graduation	rahul.kumar@example.com	8901234567	Sahakarnagar	M	76.93
8	Rahul	Kumar	Graduation	rahul.kumar@example.com	8901234567	Sahakarnagar	M	80.55
9	Neha	Mishra	Double Ph.D	neha.mishra@example.com	9012345678	Shanivar Peth	F	76.80
9	Neha	Mishra	Double Ph.D	neha.mishra@example.com	9012345678	Shanivar Peth	F	76.93
9	Neha	Mishra	Double Ph.D	neha.mishra@example.com	9012345678	Shanivar Peth	F	80.55
10	Suresh	Shukla	Ph.D	suresh.shukla@example.com	9876543210	Shivajinagar	M	76.80
10	Suresh	Shukla	Ph.D	suresh.shukla@example.com	9876543210	Shivajinagar	M	76.93
10	Suresh	Shukla	Ph.D	suresh.shukla@example.com	9876543210	Shivajinagar	M	80.55

(30 rows)