```sql
-- --------------------------------------------------------

--
-- Table structure for table `technical_officer`
--

CREATE TABLE `technical_officer` (
  `technical_id` varchar(10) NOT NULL,
  `department` varchar(20) NOT NULL,
  `user_id` int(11) NOT NULL
) ENGINE=InnoDB DEFAULT CHARSET=utf8mb4 COLLATE=utf8mb4_general_ci;

--
-- Dumping data for table `technical_officer`
--

INSERT INTO `technical_officer` (`technical_id`, `department`, `user_id`) VALUES
('Tec_Off_01', 'ICT', 4),
('Tec_Off_02', 'ICT', 23),
('Tec_Off_04', 'ICT', 24),
('Tec_Off_07', 'ET', 25),
('Tec_Off_09', 'BST', 26);

-- --------------------------------------------------------
--
-- Table structure for table `ict1242_course_marks`
--

CREATE TABLE `ict1242_course_marks` (
  `student_id` varchar(10) NOT NULL,
  `quiz_1` decimal(5,2) NOT NULL DEFAULT 0.00,
  `quiz_2` decimal(5,2) NOT NULL DEFAULT 0.00,
  `quiz_3` decimal(5,2) NOT NULL DEFAULT 0.00,
  `quiz_4` decimal(5,2) NOT NULL DEFAULT 0.00,
  `final_quiz_marks` decimal(5,2) GENERATED ALWAYS AS ((`quiz_1` + `quiz_2` + `quiz_3`
+ `quiz_4` - least(`quiz_1`,`quiz_2`,`quiz_3`,`quiz_4`)) / 3 * 0.10) STORED,
  `assignments` decimal(5,2) NOT NULL DEFAULT 0.00,
  `mid_exam_marks` decimal(5,2) NOT NULL DEFAULT 0.00,
  `end_exam_marks` decimal(5,2) NOT NULL DEFAULT 0.00,
  `CA_total_marks` decimal(5,2) GENERATED ALWAYS AS (`final_quiz_marks` +
`assignments` * 0.10 + `mid_exam_marks` * 0.20) STORED,
  `final_marks` decimal(5,2) GENERATED ALWAYS AS (`final_quiz_marks` + `assignments`
* 0.10 + `mid_exam_marks` * 0.20 + `end_exam_marks` * 0.60) STORED
) ENGINE=InnoDB DEFAULT CHARSET=utf8mb4 COLLATE=utf8mb4_general_ci;

--
-- Dumping data for table `ict1242_course_marks`
--
```

```sql
INSERT INTO `ict1242_course_marks` (`student_id`, `quiz_1`, `quiz_2`, `quiz_3`, `quiz_4`,
`assignments`, `mid_exam_marks`, `end_exam_marks`) VALUES
('TG1021', 95.00, 100.00, 89.00, 80.00, 90.00, 85.00, 85.00),
('TG1031', 89.00, 90.00, 44.50, 76.00, 75.00, 87.00, 87.00),
('TG1032', 80.50, 90.50, 65.00, 59.00, 65.00, 58.00, 58.00),
('TG1045', 88.00, 70.00, 75.50, 86.50, 85.00, 75.00, 75.00),
('TG1047', 67.00, 90.70, 68.50, 76.00, 85.00, 78.00, 78.00),
('TG1062', 50.00, 50.00, 20.00, 26.00, 20.00, 50.00, 50.00),
('TG1064', 58.00, 80.00, 65.00, 80.00, 60.00, 76.00, 76.00),
('TG1067', 90.00, 90.00, 80.00, 80.00, 85.00, 94.00, 94.00),
('TG1084', 70.00, 80.00, 60.00, 70.00, 60.00, 73.00, 73.00),
('TG1087', 60.00, 70.00, 90.00, 60.00, 90.00, 80.00, 80.00),
('TG827', 90.00, 80.00, 80.00, 90.00, 67.00, 89.00, 89.00),
('TG845', 80.00, 80.00, 90.00, 65.00, 87.00, 90.00, 90.00),
('TG827', 70.00, 50.50, 90.00, 85.00, 69.00, 76.00, 76.00),
('TG845', 50.50, 65.50, 40.70, 55.00, 67.00, 63.00, 63.00),
('TG847', 60.80, 80.70, 80.00, 90.00, 85.00, 87.00, 87.00),
('TG857', 90.00, 70.00, 80.00, 60.80, 85.00, 65.00, 65.00),
('TG867', 50.00, 70.00, 40.00, 80.00, 85.00, 78.00, 78.00),
('TG897', 90.00, 80.00, 80.00, 90.00, 95.00, 72.00, 72.00),
('TG997', 60.00, 80.00, 70.00, 50.00, 87.00, 65.00, 65.00);


-- --------------------------------------------------------


--
-- Table structure for table `ict1253_course_marks`
--

CREATE TABLE `ict1253_course_marks` (
  `student_id` varchar(10) NOT NULL,
  `quiz_1` decimal(5,2) NOT NULL DEFAULT 0.00,
  `quiz_2` decimal(5,2) NOT NULL DEFAULT 0.00,
  `quiz_3` decimal(5,2) NOT NULL DEFAULT 0.00,
  `quiz_4` decimal(5,2) NOT NULL DEFAULT 0.00,
  `final_quiz_marks` decimal(5,2) GENERATED ALWAYS AS ((`quiz_1` + `quiz_2` + `quiz_3`
+ `quiz_4` - least(`quiz_1`,`quiz_2`,`quiz_3`,`quiz_4`)) / 3 * 0.10) STORED,
  `practical_assignments` decimal(5,2) NOT NULL DEFAULT 0.00,
  `in_calss_test` decimal(5,2) NOT NULL DEFAULT 0.00,
  `end_exam_marks` decimal(5,2) NOT NULL DEFAULT 0.00,
  `CA_total_marks` decimal(5,2) GENERATED ALWAYS AS (`final_quiz_marks` +
`practical_assignments` * 0.10 + `in_calss_test` * 0.10) STORED,
  `final_marks` decimal(5,2) GENERATED ALWAYS AS (`final_quiz_marks` +
`practical_assignments` * 0.10 + `in_calss_test` * 0.10 + `end_exam_marks` * 0.70)
STORED
) ENGINE=InnoDB DEFAULT CHARSET=utf8mb4 COLLATE=utf8mb4_general_ci;


--
```

```
-- Dumping data for table `ict1253_course_marks`
--

INSERT INTO `ict1253_course_marks` (`student_id`, `quiz_1`, `quiz_2`, `quiz_3`, `quiz_4`,
`practical_assignments`, `in_calss_test`, `end_exam_marks`) VALUES
('TG1021', 58.00, 40.00, 89.00, 50.00, 90.00, 85.00, 50.00),
('TG1031', 89.00, 20.00, 44.50, 76.00, 75.00, 87.00, 87.00),
('TG1032', 69.50, 90.50, 70.00, 59.00, 65.00, 58.00, 58.00),
('TG1045', 88.00, 70.00, 75.50, 86.50, 85.00, 75.00, 75.00),
('TG1047', 68.00, 90.70, 68.50, 76.00, 85.00, 78.00, 78.00),
('TG1062', 50.00, 0.00, 20.00, 0.00, 20.00, 50.00, 50.00),
('TG1064', 58.00, 20.00, 65.00, 80.00, 60.00, 76.00, 76.00),
('TG1067', 70.00, 86.00, 80.00, 80.00, 85.00, 94.00, 94.00),
('TG1084', 70.00, 80.00, 70.00, 70.00, 60.00, 73.00, 73.00),
('TG1087', 68.00, 70.00, 30.00, 60.00, 90.00, 80.00, 50.00),
('TG827', 79.00, 80.00, 80.00, 90.00, 67.00, 89.00, 89.00),
('TG845', 83.00, 80.00, 90.00, 65.00, 87.00, 90.00, 90.00),
('TG827', 70.00, 50.50, 90.00, 85.00, 69.00, 76.00, 76.00),
('TG845', 50.50, 65.50, 40.70, 55.00, 67.00, 63.00, 63.00),
('TG847', 64.80, 80.70, 80.00, 90.00, 85.00, 87.00, 78.00),
('TG857', 90.00, 70.00, 80.00, 60.80, 85.00, 65.00, 65.00),
('TG867', 50.00, 90.00, 40.00, 80.00, 85.00, 78.00, 78.00),
('TG897', 90.00, 80.00, 80.00, 90.00, 95.00, 72.00, 72.00),
('TG997', 60.00, 80.00, 70.00, 45.50, 87.00, 65.00, 65.00);


-- --------------------------------------------------------


--
-- Table structure for table `tms1233_course_marks`
--

CREATE TABLE `tms1233_course_marks` (
  `student_id` varchar(10) NOT NULL,
  `quiz_1` decimal(5,2) NOT NULL DEFAULT 0.00,
  `quiz_2` decimal(5,2) NOT NULL DEFAULT 0.00,
  `quiz_3` decimal(5,2) NOT NULL DEFAULT 0.00,
  `quiz_4` decimal(5,2) NOT NULL DEFAULT 0.00,
  `final_quiz_marks` decimal(5,2) GENERATED ALWAYS AS ((`quiz_1` + `quiz_2` + `quiz_3`
+ `quiz_4` - least(`quiz_1`,`quiz_2`,`quiz_3`,`quiz_4`)) / 3 * 0.10) STORED,
  `assignments_tutorial` decimal(5,2) NOT NULL DEFAULT 0.00,
  `mid_exam_marks` decimal(5,2) NOT NULL DEFAULT 0.00,
  `end_exam_marks` decimal(5,2) NOT NULL DEFAULT 0.00,
  `CA_total_marks` decimal(5,2) GENERATED ALWAYS AS (`final_quiz_marks` +
`assignments_tutorial` * 0.05 + `mid_exam_marks` * 0.25) STORED,
  `final_marks` decimal(5,2) GENERATED ALWAYS AS (`final_quiz_marks` +
`assignments_tutorial` * 0.05 + `mid_exam_marks` * 0.25 + `end_exam_marks` * 0.60)
STORED
) ENGINE=InnoDB DEFAULT CHARSET=utf8mb4 COLLATE=utf8mb4_general_ci;
```

```
--
-- Dumping data for table `tms1233_course_marks`
--

INSERT INTO `tms1233_course_marks` (`student_id`, `quiz_1`, `quiz_2`, `quiz_3`, `quiz_4`,
`assignments_tutorial`, `mid_exam_marks`, `end_exam_marks`) VALUES
('TG1021', 48.00, 50.00, 89.00, 50.00, 90.00, 85.00, 50.00),
('TG1031', 89.00, 90.00, 44.50, 76.00, 75.00, 87.00, 87.00),
('TG1032', 69.50, 90.50, 0.00, 59.00, 65.00, 58.00, 58.00),
('TG1045', 88.00, 70.00, 75.50, 86.50, 85.00, 75.00, 75.00),
('TG1047', 68.00, 90.70, 68.50, 76.00, 85.00, 78.00, 78.00),
('TG1062', 50.00, 50.00, 20.00, 26.00, 20.00, 50.00, 50.00),
('TG1064', 58.00, 20.00, 65.00, 80.00, 60.00, 76.00, 76.00),
('TG1067', 90.00, 90.00, 80.00, 80.00, 85.00, 94.00, 94.00),
('TG1084', 70.00, 80.00, 70.00, 70.00, 60.00, 73.00, 73.00),
('TG1087', 60.00, 70.00, 30.00, 60.00, 90.00, 80.00, 50.00),
('TG827', 90.00, 80.00, 80.00, 90.00, 67.00, 89.00, 89.00),
('TG845', 83.00, 80.00, 90.00, 65.00, 87.00, 90.00, 90.00),
('TG827', 70.00, 50.50, 90.00, 85.00, 69.00, 76.00, 76.00),
('TG845', 50.50, 65.50, 40.70, 55.00, 67.00, 63.00, 63.00),
('TG847', 64.80, 80.70, 80.00, 90.00, 85.00, 87.00, 78.00),
('TG857', 90.00, 70.00, 80.00, 60.80, 85.00, 65.00, 65.00),
('TG867', 50.00, 90.00, 40.00, 80.00, 85.00, 78.00, 78.00),
('TG897', 90.00, 80.00, 80.00, 90.00, 95.00, 72.00, 72.00),
('TG997', 60.00, 80.00, 70.00, 45.50, 87.00, 65.00, 65.00);


-- --------------------------------------------------------
--
-- Table structure for table `tcs1212_course_marks`
--

CREATE TABLE `tcs1212_course_marks` (
  `student_id` varchar(10) NOT NULL,
  `quiz_1` decimal(5,2) NOT NULL DEFAULT 0.00,
  `quiz_2` decimal(5,2) NOT NULL DEFAULT 0.00,
  `quiz_3` decimal(5,2) NOT NULL DEFAULT 0.00,
  `quiz_4` decimal(5,2) NOT NULL DEFAULT 0.00,
  `final_quiz_marks` decimal(5,2) GENERATED ALWAYS AS ((`quiz_1` + `quiz_2` + `quiz_3`
+ `quiz_4` - least(`quiz_1`,`quiz_2`,`quiz_3`,`quiz_4`)) / 3 * 0.10) STORED,
  `assignments` decimal(5,2) NOT NULL DEFAULT 0.00,
  `mid_exam` decimal(5,2) NOT NULL DEFAULT 0.00,
  `end_exam_marks` decimal(5,2) NOT NULL DEFAULT 0.00,
  `CA_total_marks` decimal(5,2) GENERATED ALWAYS AS (`final_quiz_marks` +
`assignments` * 0.10 + `mid_exam` * 0.20) STORED,
  `final_marks` decimal(5,2) GENERATED ALWAYS AS (`final_quiz_marks` + `assignments`
* 0.10 + `mid_exam` * 0.20 + `end_exam_marks` * 0.60) STORED
) ENGINE=InnoDB DEFAULT CHARSET=utf8mb4 COLLATE=utf8mb4_general_ci;
```

```sql
--
-- Dumping data for table `tcs1212_course_marks`
--

INSERT INTO `tcs1212_course_marks` (`student_id`, `quiz_1`, `quiz_2`, `quiz_3`, `quiz_4`,
`assignments`, `mid_exam`, `end_exam_marks`) VALUES
('TG1021', 58.00, 0.00, 89.00, 50.00, 90.00, 85.00, 50.00),
('TG1031', 99.00, 90.00, 44.50, 76.00, 75.00, 87.00, 87.00),
('TG1032', 40.50, 90.50, 0.00, 59.00, 65.00, 58.00, 58.00),
('TG1045', 88.00, 70.00, 75.50, 86.50, 85.00, 75.00, 75.00),
('TG1047', 67.00, 90.70, 68.50, 76.00, 85.00, 78.00, 78.00),
('TG1062', 50.00, 50.00, 20.00, 26.00, 20.00, 50.00, 50.00),
('TG1064', 58.00, 20.00, 65.00, 80.00, 60.00, 76.00, 76.00),
('TG1067', 90.00, 90.00, 80.00, 80.00, 85.00, 94.00, 94.00),
('TG1084', 70.00, 80.00, 60.00, 70.00, 60.00, 73.00, 73.00),
('TG1087', 60.00, 70.00, 30.00, 60.00, 90.00, 80.00, 50.00),
('TG827', 90.00, 80.00, 80.00, 90.00, 67.00, 89.00, 89.00),
('TG845', 83.00, 80.00, 90.00, 65.00, 87.00, 90.00, 90.00),
('TG827', 70.00, 50.50, 90.00, 85.00, 69.00, 76.00, 76.00),
('TG845', 50.50, 65.50, 40.70, 55.00, 67.00, 63.00, 63.00),
('TG847', 64.80, 80.70, 80.00, 90.00, 85.00, 87.00, 78.00),
('TG857', 90.00, 70.00, 80.00, 60.80, 85.00, 65.00, 65.00),
('TG867', 50.00, 90.00, 40.00, 80.00, 85.00, 78.00, 78.00),
('TG897', 90.00, 80.00, 80.00, 90.00, 95.00, 72.00, 72.00),
('TG997', 60.00, 80.00, 70.00, 45.50, 87.00, 65.00, 65.00);


-- --------------------------------------------------------


--
-- Stored procedure of get the total marks of ALL students according to course code
--

CREATE PROCEDURE GetCourseMarks(IN course_code VARCHAR(10))
BEGIN
SET course_code = UPPER(course_code); -- Convert the input to uppercase for case
insensitivity
IF course_code IN ('ENG1222', 'ICT1212', 'ICT1233', 'ICT1222', 'ICT1242', 'TCS1212',
'TMS1233', 'ICT1253') THEN
SELECT
Student_ID,
CASE
WHEN course_code = 'ENG1222' THEN ENG1222_Final_Marks
WHEN course_code = 'ICT1212' THEN ICT1212_Final_Marks
WHEN course_code = 'ICT1233' THEN ICT1233_Final_Marks
WHEN course_code = 'ICT1222' THEN ICT1222_Final_Marks
WHEN course_code = 'ICT1242' THEN ICT1242_Final_Marks
WHEN course_code = 'TCS1212' THEN TCS1212_Final_Marks
```

```sql
WHEN course_code = 'TMS1233' THEN TMS1233_Final_Marks
WHEN course_code = 'ICT1253' THEN ICT1253_Final_Marks
END AS Course_Marks
FROM
all_final_marks;
ELSE
SELECT 'Invalid Course Code' AS Course_Marks;
END IF;
END //
```

-- --

--
-- Structure for view `all_ca_eligibility`
--
```sql
DROP TABLE IF EXISTS `all_ca_eligibility`;

CREATE ALGORITHM=UNDEFINED DEFINER=`root`@`localhost` SQL SECURITY
DEFINER VIEW `all_ca_eligibility`  AS SELECT `all_courses`.`student_id` AS `student_id`,
`all_courses`.`course_id` AS `course_id`, CASE WHEN `all_courses`.`CA_total_marks` >
19.5 THEN 'Eligible' ELSE 'Not Eligible' END AS `Eligibility` FROM (select
`eng1222_course_marks`.`student_id` AS `student_id`,'ENG1222' AS
`course_id`,`eng1222_course_marks`.`CA_total_marks` AS `CA_total_marks` from
`eng1222_course_marks` union all select `ict1212_course_marks`.`student_id` AS
`student_id`,'ICT1212' AS `course_id`,`ict1212_course_marks`.`CA_total_marks` AS
`CA_total_marks` from `ict1212_course_marks` union all select
`ict1222_course_marks`.`student_id` AS `student_id`,'ICT1222' AS
`course_id`,`ict1222_course_marks`.`CA_total_marks` AS `CA_total_marks` from
`ict1222_course_marks` union all select `ict1242_course_marks`.`student_id` AS
`student_id`,'ICT1242' AS `course_id`,`ict1242_course_marks`.`CA_total_marks` AS
`CA_total_marks` from `ict1242_course_marks` union all select
`tcs1212_course_marks`.`student_id` AS `student_id`,'TCS1212' AS
`course_id`,`tcs1212_course_marks`.`CA_total_marks` AS `CA_total_marks` from
`tcs1212_course_marks` union all select `tms1233_course_marks`.`student_id` AS
`student_id`,'TMS1233' AS `course_id`,`tms1233_course_marks`.`CA_total_marks` AS
`CA_total_marks` from `tms1233_course_marks` union all select
`ict1253_course_marks`.`student_id` AS `student_id`,'ICT1253' AS
`course_id`,`ict1253_course_marks`.`CA_total_marks` AS `CA_total_marks` from
`ict1253_course_marks`) AS `all_courses` ;
```

-- --

--
-- Structure for view `all_final_marks`
--
```sql
DROP TABLE IF EXISTS `all_final_marks`;
```

```sql
CREATE ALGORITHM=UNDEFINED DEFINER=`root`@`localhost` SQL SECURITY
DEFINER VIEW `all_final_marks`  AS SELECT `em`.`student_id` AS `Student_ID`,
max(coalesce(`eng`.`final_marks`,0)) AS `ENG1222_Final_Marks`,
max(coalesce(`ict1`.`final_marks`,0)) AS `ICT1212_Final_Marks`,
max(coalesce(`ict2`.`final_marks`,0)) AS `ICT1233_Final_Marks`,
max(coalesce(`ict3`.`final_marks`,0)) AS `ICT1222_Final_Marks`,
max(coalesce(`ict4`.`final_marks`,0)) AS `ICT1242_Final_Marks`,
max(coalesce(`tcs`.`final_marks`,0)) AS `TCS1212_Final_Marks`,
max(coalesce(`tms`.`final_marks`,0)) AS `TMS1233_Final_Marks`,
max(coalesce(`ict5`.`final_marks`,0)) AS `ICT1253_Final_Marks` FROM (((((((((select
distinct `eng1222_course_marks`.`student_id` AS `student_id` from
`eng1222_course_marks` intersect select distinct `ict1212_course_marks`.`student_id` AS
`student_id` from `ict1212_course_marks` intersect select distinct
`ict1233_course_marks`.`student_id` AS `student_id` from `ict1233_course_marks` intersect
select distinct `ict1222_course_marks`.`student_id` AS `student_id` from
`ict1222_course_marks` intersect select distinct `ict1242_course_marks`.`student_id` AS
`student_id` from `ict1242_course_marks` intersect select distinct
`tcs1212_course_marks`.`student_id` AS `student_id` from `tcs1212_course_marks`
intersect select distinct `tms1233_course_marks`.`student_id` AS `student_id` from
`tms1233_course_marks` intersect select distinct `ict1253_course_marks`.`student_id` AS
`student_id` from `ict1253_course_marks`) `em` left join (select distinct
`eng1222_course_marks`.`student_id` AS
`student_id`,`eng1222_course_marks`.`final_marks` AS `final_marks` from
`eng1222_course_marks`) `eng` on(`em`.`student_id` = `eng`.`student_id`)) left join (select
distinct `ict1212_course_marks`.`student_id` AS
`student_id`,`ict1212_course_marks`.`final_marks` AS `final_marks` from
`ict1212_course_marks`) `ict1` on(`em`.`student_id` = `ict1`.`student_id`)) left join (select
distinct `ict1233_course_marks`.`student_id` AS
`student_id`,`ict1233_course_marks`.`final_marks` AS `final_marks` from
`ict1233_course_marks`) `ict2` on(`em`.`student_id` = `ict2`.`student_id`)) left join (select
distinct `ict1222_course_marks`.`student_id` AS
`student_id`,`ict1222_course_marks`.`final_marks` AS `final_marks` from
`ict1222_course_marks`) `ict3` on(`em`.`student_id` = `ict3`.`student_id`)) left join (select
distinct `ict1242_course_marks`.`student_id` AS
`student_id`,`ict1242_course_marks`.`final_marks` AS `final_marks` from
`ict1242_course_marks`) `ict4` on(`em`.`student_id` = `ict4`.`student_id`)) left join (select
distinct `tcs1212_course_marks`.`student_id` AS
`student_id`,`tcs1212_course_marks`.`final_marks` AS `final_marks` from
`tcs1212_course_marks`) `tcs` on(`em`.`student_id` = `tcs`.`student_id`)) left join (select
distinct `tms1233_course_marks`.`student_id` AS
`student_id`,`tms1233_course_marks`.`final_marks` AS `final_marks` from
`tms1233_course_marks`) `tms` on(`em`.`student_id` = `tms`.`student_id`)) left join (select
distinct `ict1253_course_marks`.`student_id` AS
`student_id`,`ict1253_course_marks`.`final_marks` AS `final_marks` from
`ict1253_course_marks`) `ict5` on(`em`.`student_id` = `ict5`.`student_id`)) GROUP BY
`em`.`student_id` ;


-- --------------------------------------------------------
```

--
-- Structure for view `ca_total_marks`
--
DROP TABLE IF EXISTS `ca_total_marks`;

CREATE ALGORITHM=UNDEFINED DEFINER=`root`@`localhost` SQL SECURITY DEFINER VIEW `ca_total_marks` AS SELECT `em`.`student_id` AS `Student_ID`, max(coalesce(`eng`.`CA_total_marks`,0)) AS `ENG1222_CA_total_marks`, max(coalesce(`ict1`.`CA_total_marks`,0)) AS `ICT1212_CA_total_marks`, max(coalesce(`ict3`.`CA_total_marks`,0)) AS `ICT1222_CA_total_marks`, max(coalesce(`ict4`.`CA_total_marks`,0)) AS `ICT1242_CA_total_marks`, max(coalesce(`tcs`.`CA_total_marks`,0)) AS `TCS1212_CA_total_marks`, max(coalesce(`tms`.`CA_total_marks`,0)) AS `TMS1233_CA_total_marks`, max(coalesce(`ict5`.`CA_total_marks`,0)) AS `ICT1253_CA_total_marks` FROM (((((((((select distinct `eng1222_course_marks`.`student_id` AS `student_id` from `eng1222_course_marks` intersect select distinct `ict1212_course_marks`.`student_id` AS `student_id` from `ict1212_course_marks` intersect select distinct `ict1222_course_marks`.`student_id` AS `student_id` from `ict1222_course_marks` intersect select distinct `ict1242_course_marks`.`student_id` AS `student_id` from `ict1242_course_marks` intersect select distinct `tcs1212_course_marks`.`student_id` AS `student_id` from `tcs1212_course_marks` intersect select distinct `tms1233_course_marks`.`student_id` AS `student_id` from `tms1233_course_marks` intersect select distinct `ict1253_course_marks`.`student_id` AS `student_id` from `ict1253_course_marks`) `em` left join (select distinct `eng1222_course_marks`.`student_id` AS `student_id`,`eng1222_course_marks`.`CA_total_marks` AS `CA_total_marks` from `eng1222_course_marks`) `eng` on(`em`.`student_id` = `eng`.`student_id`)) left join (select distinct `ict1212_course_marks`.`student_id` AS `student_id`,`ict1212_course_marks`.`CA_total_marks` AS `CA_total_marks` from `ict1212_course_marks`) `ict1` on(`em`.`student_id` = `ict1`.`student_id`)) left join (select distinct `ict1222_course_marks`.`student_id` AS `student_id`,`ict1222_course_marks`.`CA_total_marks` AS `CA_total_marks` from `ict1222_course_marks`) `ict3` on(`em`.`student_id` = `ict3`.`student_id`)) left join (select distinct `ict1242_course_marks`.`student_id` AS `student_id`,`ict1242_course_marks`.`CA_total_marks` AS `CA_total_marks` from `ict1242_course_marks`) `ict4` on(`em`.`student_id` = `ict4`.`student_id`)) left join (select distinct `tcs1212_course_marks`.`student_id` AS `student_id`,`tcs1212_course_marks`.`CA_total_marks` AS `CA_total_marks` from `tcs1212_course_marks`) `tcs` on(`em`.`student_id` = `tcs`.`student_id`)) left join (select distinct `tms1233_course_marks`.`student_id` AS `student_id`,`tms1233_course_marks`.`CA_total_marks` AS `CA_total_marks` from `tms1233_course_marks`) `tms` on(`em`.`student_id` = `tms`.`student_id`)) left join (select distinct `ict1253_course_marks`.`student_id` AS `student_id`,`ict1253_course_marks`.`CA_total_marks` AS `CA_total_marks` from `ict1253_course_marks`) `ict5` on(`em`.`student_id` = `ict5`.`student_id`)) GROUP BY `em`.`student_id` ;

-- --

```
--
-- Structure for view `final_exam_eligibility`
--
DROP TABLE IF EXISTS `final_exam_eligibility`;

CREATE ALGORITHM=UNDEFINED DEFINER=`root`@`localhost` SQL SECURITY
DEFINER VIEW `final_exam_eligibility`  AS SELECT `a`.`student_id` AS `student_id`,
`a`.`course_id` AS `course_id`, CASE WHEN `c`.`Eligibility` = 'Eligible' AND
`a`.`eligibility_status` = 'Eligible' THEN 'E' WHEN `c`.`Eligibility` = 'Not Eligible' AND
`a`.`eligibility_status` = 'Not Eligible' THEN 'NE' WHEN `c`.`Eligibility` = 'Eligible' AND
`a`.`eligibility_status` = 'Not Eligible' THEN 'NE*' WHEN `c`.`Eligibility` = 'Not Eligible' AND
`a`.`eligibility_status` = 'Eligible' THEN 'NE**' END AS `final_exam_eligibility` FROM
(`attendance_status` `a` join `all_ca_eligibility` `c` on(`a`.`student_id` = `c`.`student_id` and
`a`.`course_id` = `c`.`course_id`)) ;

-- --------------------------------------------------------

-- Indexes for table `technical_officer`
--
ALTER TABLE `technical_officer`
  ADD PRIMARY KEY (`technical_id`),
  ADD KEY `user_id` (`user_id`);

--
-- Constraints for table `technical_officer`
--
ALTER TABLE `technical_officer`
  ADD CONSTRAINT `technical_officer_ibfk_1` FOREIGN KEY (`user_id`) REFERENCES
`user` (`user_id`);
COMMIT;
```