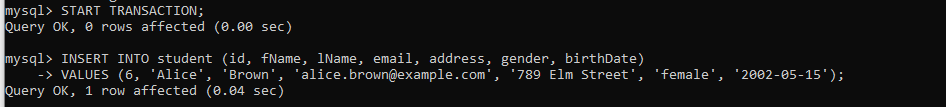
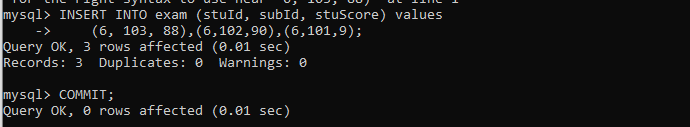
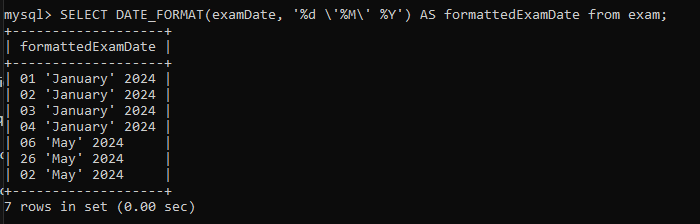
**Lab3 Advanced Sql**

**Q1:** **Insert new student and his score in exam in different subjects as transaction.**

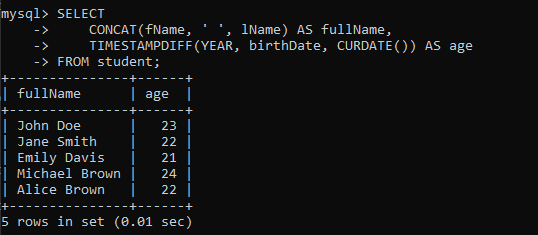
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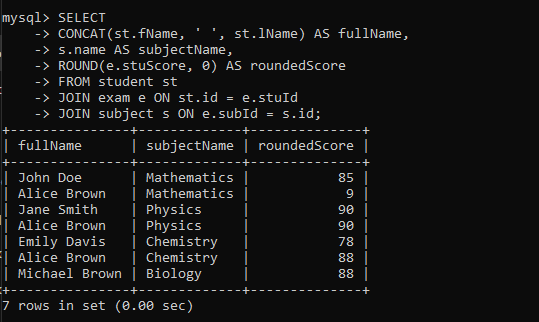
**Q2:** **Display the date of exam as the following: day 'month name' year.**

****

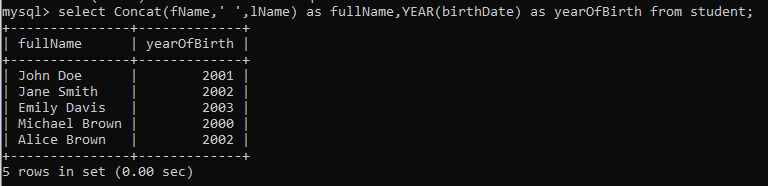
**Q3:** **Display name and age of each students**

****

**Q4:** **Display the name of students with their Rounded score in each Exam**

****

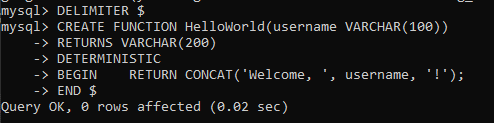
**Q5:** **Display the name of students with the year of Birthdate**

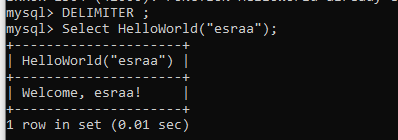
****

**Q6:** **Add new exam result, in date column use NOW**

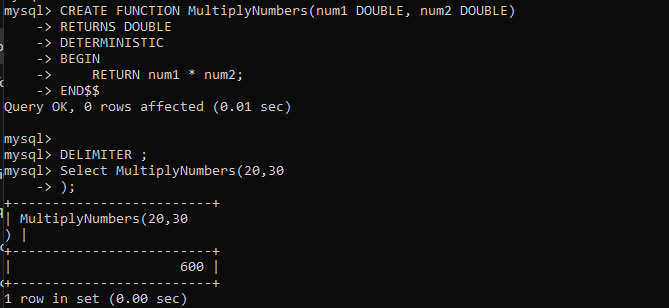


**Q7:** **Create Hello world function which take username and return welcome message to user using his name**

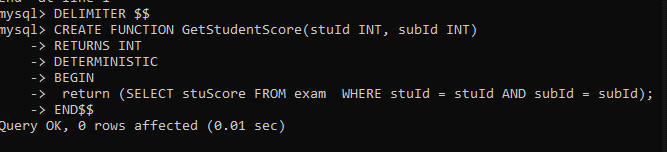


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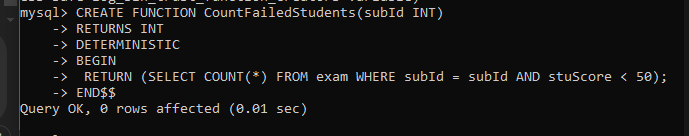
**Q8:** **Create multiply function which take two number and return the multiply of them**



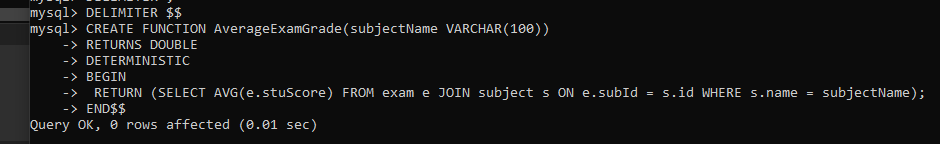
**Q9:** **Create function which takes student id and Exam id and return score the student in Exam.**



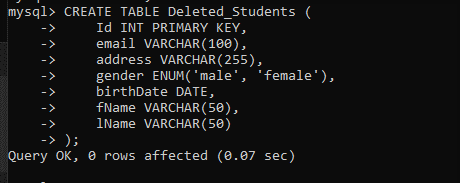
**Q10:** **Create function which takes Exam id and return the number of students who failed in a Exam (Score less than 50).**

****

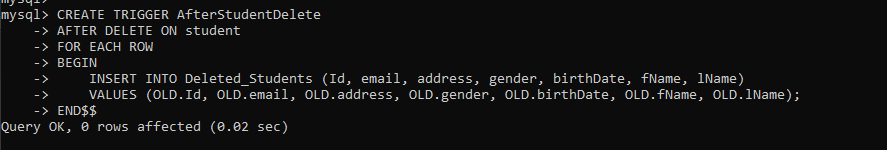
**Q11:** **Create function which take subject name and return the average of max grades for subject**

****

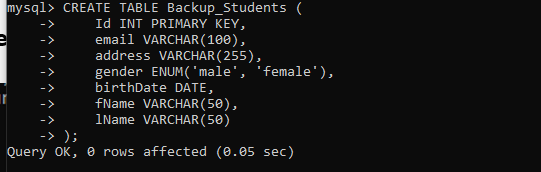
**Q12:** **Create Table called Deleted\_Students which will hold the deleted students info(same columns as in student tables)**

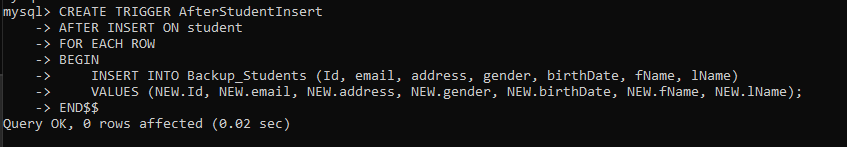


**Q13:** **Create trigger to save the deleted student from Student table to Deleted\_Students.**

****

**Q14:** **Create trigger to save the newly added students to Student table to Backup\_Students.**

****

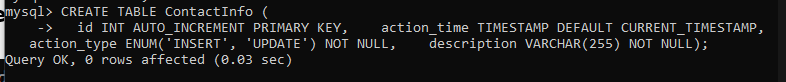
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**Q15:** **(Bouns) Create trigger to keep track the changes of contact info table**

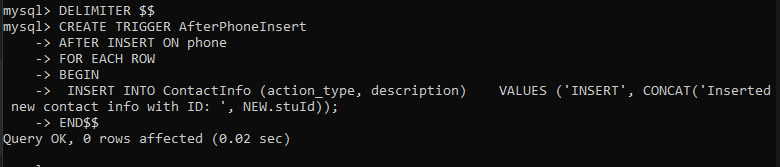
**(add/update rows); it will logs the time of action and description of**

**action to another table.**

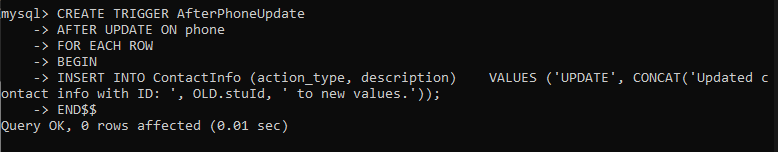
**1.create table**

****

**2.trigger insert**

****

**3.trigger update**

****

**Q16:** **Dump your database into SQL file.**

****

****

**Q17:** **Dump Students table into file.**

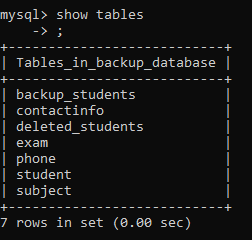
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**Q18:** **Import SQL file into your backup database (Grading\_Backup Database)**



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