MySQL Internal Assessment

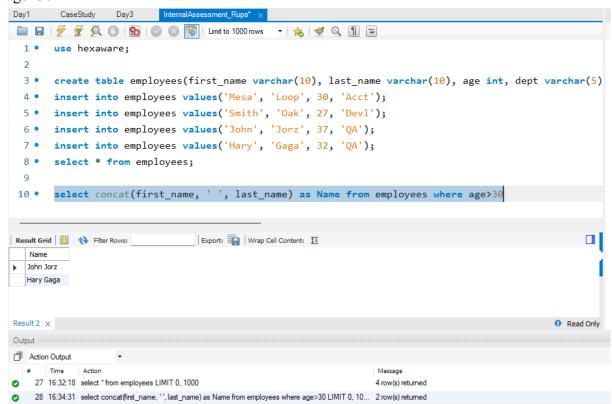
Date: 29.11.2023

Name: Karella Rupa Naga Prasanna Raji

1. Write a mysql statement to find the concatenated first_name, last_name where the age of the employee is greater than 30. Suppose the employee table is -

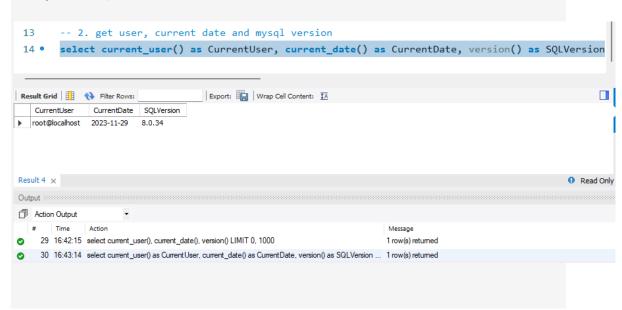
+	+	-++
first_name +	last_name -+	age dept
Mesa	Loop	30 Acct
Smith	Oak	27 Devl
John	Jorz	37 QA
Hary	Gaga	32 QA

Query: select concat(first_name, '', last_name) as Name from employees where age>30



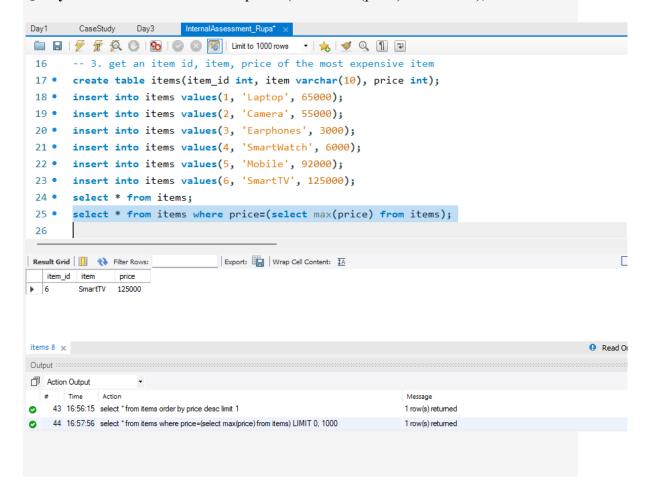
2. Write a mysql statement to get the user, current date and mysql version.

Query: select current_user() as CurrentUser, current_date() as CurrentDate, version() as SQLVersion;

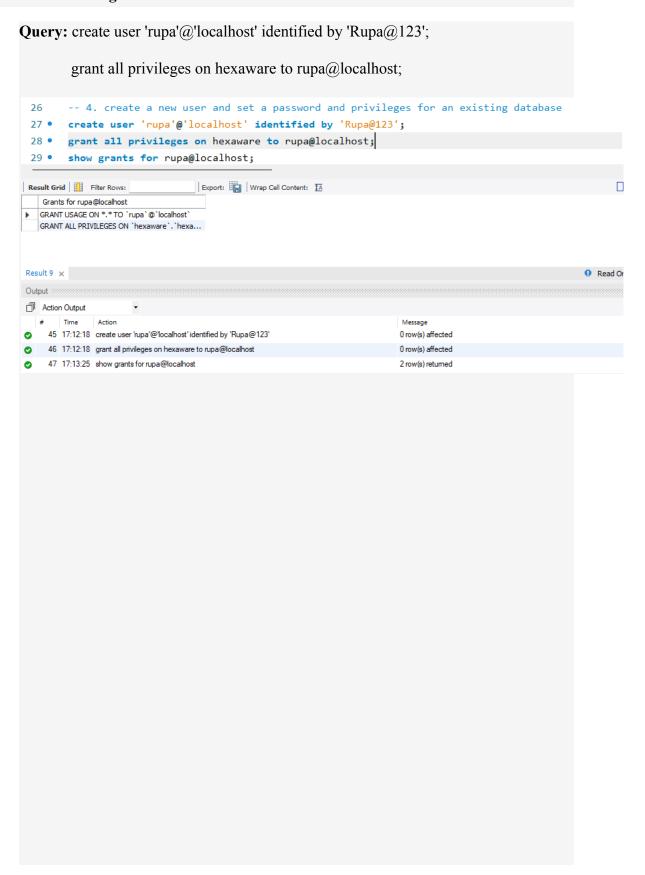


3. Write a mysql statement to get an item id, item, price of the most expensive item

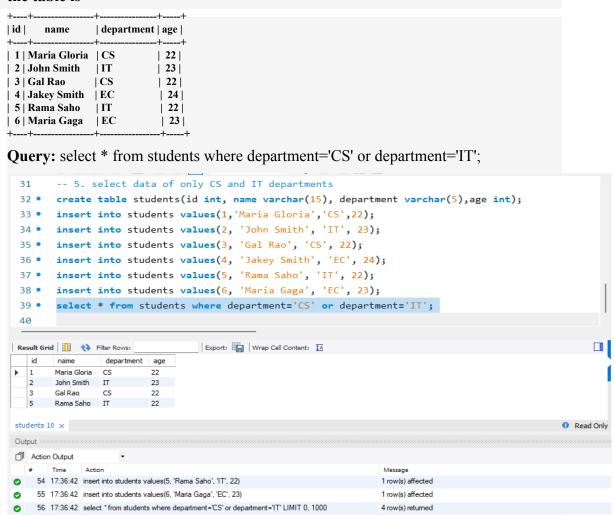
Query: select * from items where price=(select max(price) from items);



4. Write a mysql statement to create a new user and set a password and privileges for an existing database.



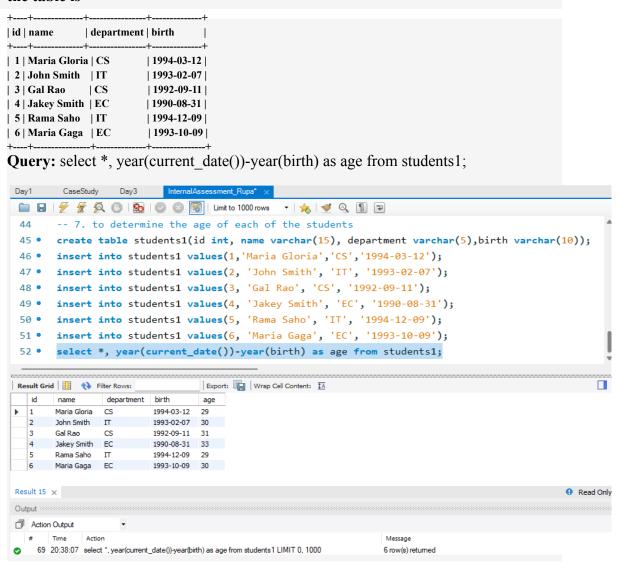
5. Write a mysql statement to select data of only CS and IT departments. Suppose the table is -



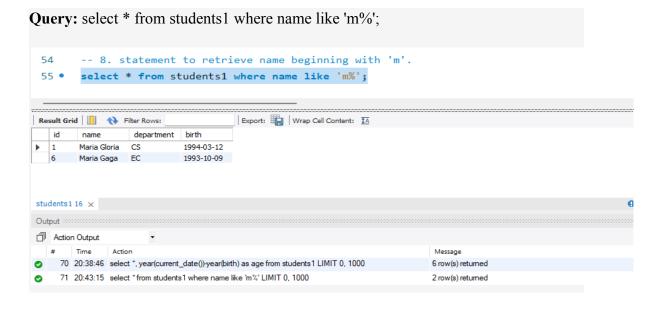
6. Write a mysql statement to select data of all departments in descending order by age.



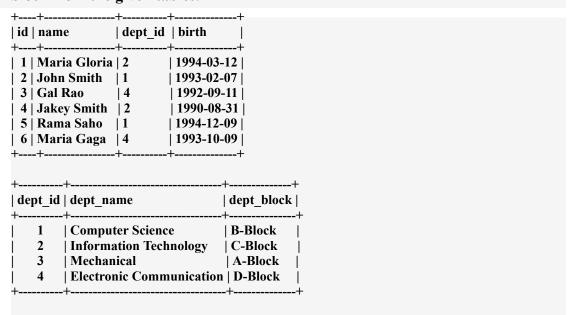
7. Write a mysql statement to determine the age of each of the students. Suppose the table is -



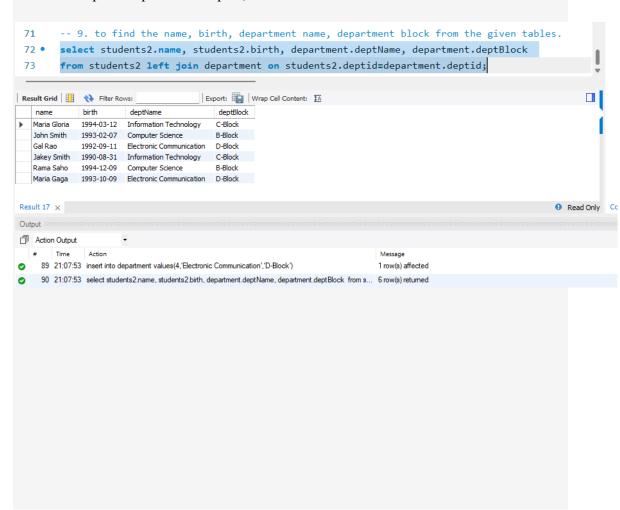
8. Write a mysql statement to retrieve names beginning with 'm'.



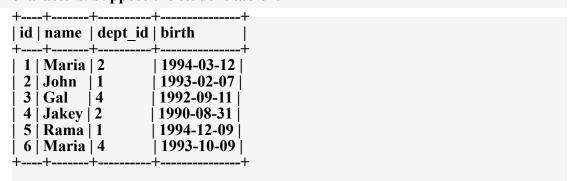
9. Write a mysql statement to find the name, birth, department name, department block from the given tables.



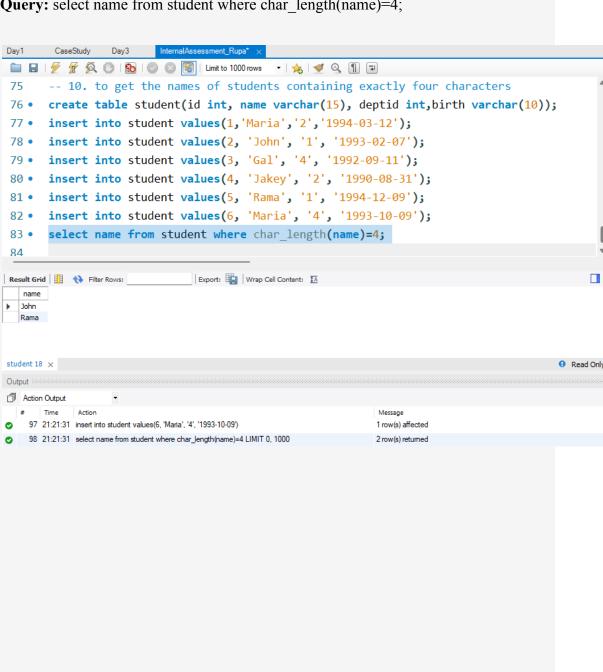
Query- select students2.name, students2.birth, department.deptName, department.deptBlock from students2 left join department on students2.deptid=department.deptid;



10. Write a mysql statement to get the names of students containing exactly four characters. Suppose the student table is -

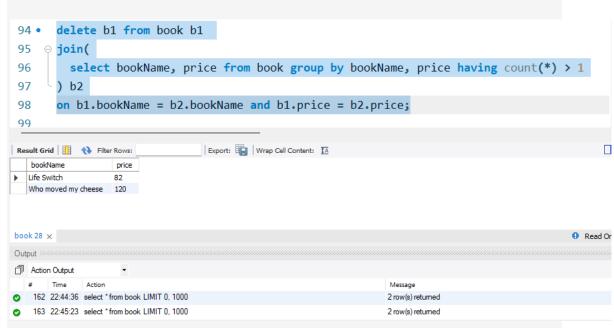


Query: select name from student where char length(name)=4;

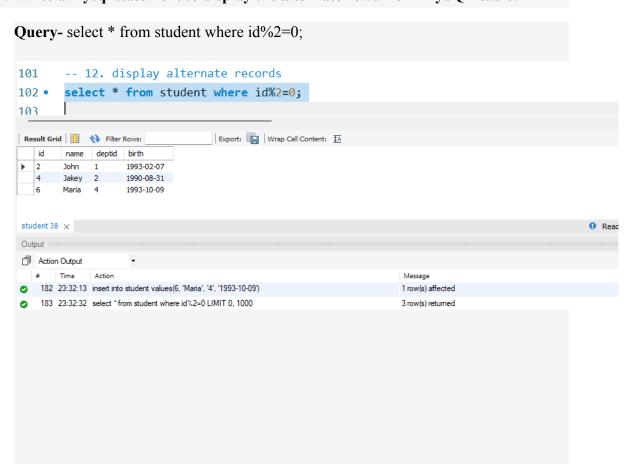


11. Write a mysql statement to delete duplicate row from the table

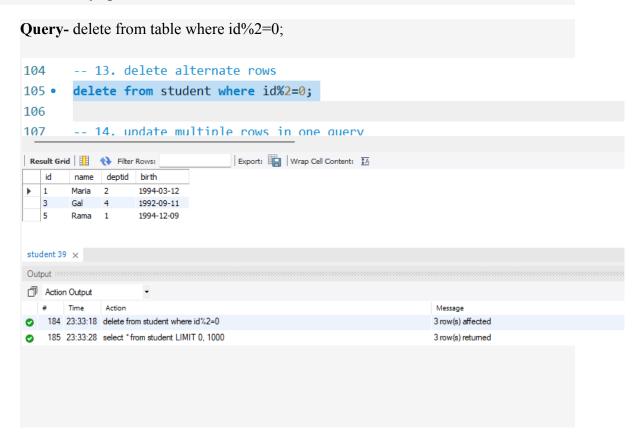
Query- delete b1 from book b1 join(select bookName, price from book group by bookName, price having count(*) > 1) b2 on b1.bookName = b2.bookName and b1.price = b2.price;



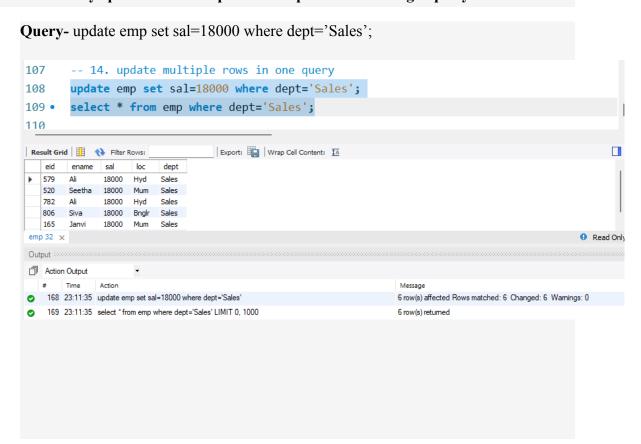
12. Write a mysql statement to display the alternate rows from MySQL table.



13. Write a mysql statement to delete alternate records



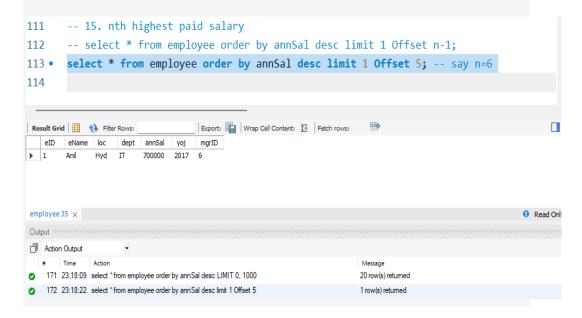
14. Write a mysql statement to update multiple rows in a single query



15. Write a mysql statement

a. to get nth highest paid

Query- [select * from employee order by annSal desc limit 1 Offset n-1;] select * from employee order by annSal desc limit 1 Offset 5; -- say n=6



b. to get nth least paid

Query- [select * from employee order by annSal limit 1 Offset n-1;] select * from employee order by annSal limit 1 Offset 6; -- say n=7

