DBT Problem Solving - Set - 014

***Consider the following relations***

***student {studentID, name, surname, birthdate, gender, class, point}***

***borrows {borrowid, studentID, bookID, takenDate, broughtDate}***

***types {typeID, name}***

***countrylanguage {countrycode, language, isofficial, percentage}***

**Given the above relations solve the following queries.**

1. Write a query to display count of authors with proper heading.
2. Write a query to display author name, surname and the books written by him, arrange the output in ascending order by author names.
3. Write a query to display the books whose point is more than 95.
4. Write a query to display the books whose point is more than the point of the book 'Maybe Mother Goose'.
5. Write a query to display the books written by 'Rabindranath Tagore'.
6. Write a query to display all 'Drama' books.
7. Write a query to count how many students are in '9B' class.
8. Write a query to list the student whose name starts with "a" character.
9. Write a query to list the students whose name is "James" and surname doesn’t contain "a" character.
10. Write a query to list the students whose name is "Jane" or "Kane" and school ID less than 30.
11. Write a query to list all students by merging their name and surname, give the heading as 'Full Name'.
12. Write a query to list the books with book numbers 3, 4, 8, 9, 11, and 23 in the books table.
13. Write a query to list the books whose bookID is even.
14. Write a query to display the students whose name "Perez" and surname not contains "a" character.
15. Write a query to display the students whose name is either "Edwards" or "Baker" and student number less than 30.

Answers Set – 014:

1. select count(\*) 'Total Author' from authors;
2. select authors.name, surname, books.name from authors, books where authors.authorId = books.authorId order by authors.name;
3. select \* from books where point > 95;
4. select \* from books where point > (select point from books where name = 'Maybe Mother Goose')
5. select books.\* from authors, books where authors.authorId = books.authorId and authors.name = 'Rabindranath' and surname = 'Tagore'
6. select books.name, types.name from books, types where books.typeId = types.typeId and types.name ='Drama';
7. select count(\*) from students where class = '9B';
8. select \* from students where name like 'a%';
9. select \* from students where name = 'James' and surname not like '%a%';
10. select \* from students where (name = 'Kane' or name = 'Jane') and studentID < 30;
11. select concat(name,' ' , surname) as "Full Name" from students;
12. select \* from books where book\_id in(3, 4, 8, 9, 11, 23);
13. select \* from books where bookid % 2 = 0;
14. select \* from students where name = 'Perez' and surname not like '%a%';
15. select \* from students where name in ("Edwards", "Baker") and studentId < 36;