TE IT

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Design at SQL queries for suitable database application using SQL DML statements: perform a test for all types of Join. Perform following Join Operation on student table and location table.

- 1) CROSS JOIN
- 2) NATURAL JOIN
- 3) LEFT OUTER JOIN
- 4) RIGHT OUTER JOIN
- 5) INNER JOIN

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```
nysql> select * from student left outer join location on student.rollno=location.rollno;
 rollno | name
                         rollno | loc
            Akshay
Abhishek
Bipin
Vijay
Nikhil
                                     Mumbai
Pune
Nagpur
Nashik
NULL
                             1
2
3
4
NULL
 rows in set (0.10 sec)
mysql> select * from student right outer join location on student.rollno=location.rollno;
 rollno | name
                        | rollno | loc
            Akshay
Abhishek
Bipin
Vijay
NULL
NULL
                                      Mumbai
Pune
Nagpur
Nashik
Satara
Kolhapur
   NULL
NULL
 rows in set (0.00 sec)
nysql> select student.rollno, student.name, location.loc from student inner join location on student.rollno=location.rollno;
 rollno | name
                          loc
            Akshay
Abhishek
Bipin
Vijay
                          Mumbai
Pune
Nagpur
Nashik
 rows in set (0.05 sec)
mysql>
mysql> select * from student left outer join location on student.rollno=location.rollno;
 rollno | name
                          rollno | loc
                                     Mumbai
Pune
Nagpur
Nashik
NULL
            Akshay
Abhishek
Bipin
Vijay
Nikhil
                             NULL
 rows in set (0.10 sec)
nysql> select * from student right outer join location on student.rollno=location.rollno;
 rollno | name
                        | rollno | loc
       1 | Akshay
                                1 | Mumbai
                                     Nagpur
Nashik
Satara
Kolhapur
            Bipin
Vijay
NULL
NULL
 rows in set (0.00 sec)
mysql> select student.rollno, student.name, location.loc from student inner join location on student.rollno=location.rollno;
 rollno | name
                          loc
                          Mumbai
Pune
Nagpur
Nashik
            Akshay
Abhishek
            Bipin
Vijay
 rows in set (0.05 sec)
mysql>
```