## XML DATA

```
<bookstore>
  <book>
    <title>Harry Potter</title>
    <author>J.K. Rowling</author>
    <price>29.99</price>
    <available>true</available>
  </book>
  <book>
    <title>The Hobbit</title>
    <author>J.R.R. Tolkien</author>
    <price>19.99</price>
    <available>false</available>
  </book>
</bookstore>
```

## JSON DATA

```
{
    “bookstore”: [
        {
            “tittle”: ”Harry Potter”,
            “author“: “J.K. Rowling”,
            “price” : 29.99,
            “available”: ”true”
        },
```

```
        {
            “tittle”: ”The Hobbit”,
            “author“: “J.R.R.Tolkien”,
            “price” : 19.99,
            “available”: ”false”
        }
    ]
}
```

## Write a query to give inner join,left outer join,right outer join and full outer join

## 1.INNER JOIN

SELECT e.employee_id, e.first_name, e.last_name, d.department_name FROM employee e INNER JOIN department d ON e.department_id = d.department_id;

## 2.LEFT OUTER JOIN

SELECT e.employee_id, e.first_name, e.last_name, d.department_name FROM employee e LEFT OUTER JOIN department d ON e.department_id = d.department_id;

## 3.RIGHT OUTER JOIN

SELECT e.employee_id, e.first_name, e.last_name, d.department_name FROM employee e RIGHT OUTER JOIN department d ON e.department_id = d.department_id;

## 4.FULL OUTER JOIN

```
SELECT e.employee_id, e.first_name, e.last_name, d.department_name
FROM employee e FULL OUTER JOIN department d ON e.department_id
= d.department_id;
```

## Write a query to find duplicate records

**a) Based on first_name**

```
SELECT first_name, COUNT(*)
FROM employees
GROUP BY first_name HAVING COUNT(*) > 1;
```

**b) Based on email**

```
SELECT email, COUNT(*)
FROM employees
GROUP BY email HAVING COUNT(*) > 1;
```

**c)Based on first_name and last_name**

```
SELECT first_name, last_name, COUNT(*)
FROM employees
GROUP BY first_name, last_name HAVING COUNT(*) > 1;
```

**d)Based on the first_name and email**

```
SELECT first_name, email, COUNT(*)
FROM employees
GROUP BY first_name, email HAVING COUNT(*) > 1;
```