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| **MODULE 4 -- PRACTICAL EXERCISES** | |
| **SLIDE 12**  We are going to create two simple tables and join them together using different types of joins.  Let’s create two tables aka two fruit baskets and see how we can join them! | Use **joins\_practice.sql** script  To create two tables and then write small join queries together with the group and most importantly, demonstrate results produced by each join. |
| **SLIDE 16**  We continue practicing our JOINs queries. Let’s look at the result produced by the CROSS JOIN based on our fruit tables. | Use **joins\_practice.sql** script  At the bottom of the scrip there is a cross join query |
| **SLIDE 16**  Let’s create a small table with hierarchical data and perform a self join to see how useful it can be. | CREATE TABLE `employee` (  `EmployeeID` int(11) NOT NULL,  `Name` varchar(55),  `ManagerID` int(11),  PRIMARY KEY (`EmployeeID`)  );  -- Inner Join  SELECT e1.Name EmployeeName, e2.name AS ManagerName  FROM Employee e1  INNER JOIN Employee e2  ON e1.ManagerID = e2.EmployeeID;  -- Outer Join  SELECT e1.Name EmployeeName, IFNULL(e2.name, 'Top Manager') AS ManagerName  FROM Employee e1  LEFT JOIN Employee e2  ON e1.ManagerID = e2.EmployeeID; |
| **SLIDE 20**  We are going to practice more by writing queries with UNION operators (based on the fruit tables). | Use **union\_practice\_demo.sql** script |
| **SLIDE 20**  In addition to that, we are going to write our very first subquery using our customer database. | Use **subquery\_practice\_demo.sql** script |