**OTHER JOIN TYPES** - **EXERCISES**

1. Display job, name with the customers they look after (if any) for all employees in department 30.   Sort the output by job, employee name and then customer name.   (Note: You will need an outer join to get the first two lines of this output.)

|  |  |  |
| --- | --- | --- |
| **JOB** | **ENAME** | **NAME** |
| CLERK | JAMES | NULL |
| MANAGER | BLAKE | NULL |
| SALESMAN | ALLEN | EVERY MOUNTAIN |
| SALESMAN | ALLEN | WOMENS SPORTS |
| SALESMAN | MARTIN | TKB SPORT SHOP |
| SALESMAN | MARTIN | VOLLEYRITE |
| SALESMAN | TURNER | JOCKSPORTS |
| SALESMAN | TURNER | K + T SPORTS |
| SALESMAN | TURNER | NORTH WOODS HEALTH AND FITNESS SUPPLY CENTRE |
| SALESMAN | WARD | JUST TENNIS |
| SALESMAN | WARD | SHAPE UP |

1. Display the following details for all products and their current price even if no price has been set up for the product. The current price is the stdprice in the price table with an NULL enddate for that product. If there is no price for a product, display ‘Not yet set up’ instead of NULL. Sort the results in prodid order.

|  |  |  |
| --- | --- | --- |
| **PRODID** | **DESCRIP** | **CURRENT PRICE** |
| 100860 | ACE TENNIS RACKET I | 37 |
| 100861 | ACE TENNIS RACKET II | 47 |
| 100870 | ACE TENNIS BALLS-3 PACK | 3 |
| 100871 | ACE TENNIS BALLS-6 PACK | 5.7 |
| 100890 | ACE TENNIS NET | 58 |
| 101860 | SP TENNIS RACKET | 25 |
| 101863 | SP JUNIOR RACKET | 12.5 |
| 102130 | RH: "GUIDE TO TENNIS" | 3.4 |
| 200376 | SB ENERGY BAR-6 PACK | 2.9 |
| 200380 | SB VITA SNACK-6 PACK | 4 |
| 300210 | SQUASH RACKET I | Not yet set up |
| 300211 | SQUASH RACKET II | Not yet set up |

1. Display the following details for all customers in the ‘HANT’ area with their order details even if a customer has not placed any orders.

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| **CUSTID** | **NAME** | **AREA** | **ORDID** | **ITEMID** | **QTY** |
| 101 | TKB SPORT SHOP | HANT | 610 | 1 | 1 |
| 101 | TKB SPORT SHOP | HANT | 610 | 2 | 3 |
| 101 | TKB SPORT SHOP | HANT | 610 | 3 | 1 |
| 103 | JUST TENNIS | HANT | 616 | 1 | 10 |
| 103 | JUST TENNIS | HANT | 616 | 2 | 50 |
| 103 | JUST TENNIS | HANT | 616 | 3 | 2 |
| 103 | JUST TENNIS | HANT | 616 | 4 | 10 |
| 103 | JUST TENNIS | HANT | 616 | 5 | 10 |
| 105 | K + T SPORTS | HANT | 617 | 1 | 50 |
| 105 | K + T SPORTS | HANT | 617 | 2 | 100 |
| 105 | K + T SPORTS | HANT | 617 | 3 | 500 |
| 105 | K + T SPORTS | HANT | 617 | 4 | 500 |
| 105 | K + T SPORTS | HANT | 617 | 5 | 500 |
| 105 | K + T SPORTS | HANT | 617 | 6 | 100 |
| 105 | K + T SPORTS | HANT | 617 | 7 | 200 |
| 105 | K + T SPORTS | HANT | 617 | 8 | 100 |
| 105 | K + T SPORTS | HANT | 617 | 9 | 200 |
| 105 | K + T SPORTS | HANT | 617 | 10 | 300 |
| 109 | KW SPORTS | HANT | NULL | NULL | NULL |

1. Display the same details as for question 3 but add the name of the sales representative who looks after each customer.

|  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- |
| **CUSTID** | **NAME** | **AREA** | **SALES REP** | **ORDID** | **ITEMID** | **QTY** |
| 101 | TKB SPORT SHOP | HANT | MARTIN | 610 | 1 | 1 |
| 101 | TKB SPORT SHOP | HANT | MARTIN | 610 | 2 | 3 |
| 101 | TKB SPORT SHOP | HANT | MARTIN | 610 | 3 | 1 |
| 103 | JUST TENNIS | HANT | WARD | 616 | 1 | 10 |
| 103 | JUST TENNIS | HANT | WARD | 616 | 2 | 50 |
| 103 | JUST TENNIS | HANT | WARD | 616 | 3 | 2 |
| 103 | JUST TENNIS | HANT | WARD | 616 | 4 | 10 |
| 103 | JUST TENNIS | HANT | WARD | 616 | 5 | 10 |
| 105 | K + T SPORTS | HANT | TURNER | 617 | 1 | 50 |
| 105 | K + T SPORTS | HANT | TURNER | 617 | 2 | 100 |
| 105 | K + T SPORTS | HANT | TURNER | 617 | 3 | 500 |
| 105 | K + T SPORTS | HANT | TURNER | 617 | 4 | 500 |
| 105 | K + T SPORTS | HANT | TURNER | 617 | 5 | 500 |
| 105 | K + T SPORTS | HANT | TURNER | 617 | 6 | 100 |
| 105 | K + T SPORTS | HANT | TURNER | 617 | 7 | 200 |
| 105 | K + T SPORTS | HANT | TURNER | 617 | 8 | 100 |
| 105 | K + T SPORTS | HANT | TURNER | 617 | 9 | 200 |
| 105 | K + T SPORTS | HANT | TURNER | 617 | 10 | 300 |
| 109 | KW SPORTS | HANT | NULL | NULL | NULL | NULL |

5.       Display the employee’s department and name together with their manager’s employee number and name for all employees in departments 10 and 20. Sort the results by department no and then manager name.

|  |  |  |  |
| --- | --- | --- | --- |
| **DEPTNO** | **Employee Name** | **Manager Empno** | **Manager Name** |
| 10 | MILLER | 7782 | CLARK |
| 10 | CLARK | 7839 | KING |
| 20 | SMITH | 7902 | FORD |
| 20 | FORD | 7566 | JONES |
| 20 | SCOTT | 7566 | JONES |
| 20 | JONES | 7839 | KING |
| 20 | ADAMS | 7788 | SCOTT |

6.       Display the following details for all employees whose manager works in a different department to them. Sort results by employee name.

|  |  |  |  |
| --- | --- | --- | --- |
| **Employee Name** | **Employee Department** | **Manager Name** | **Manager Department** |
| BLAKE | SALES | KING | ACCOUNTING |
| JONES | RESEARCH | KING | ACCOUNTING |