|  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- |
| Lname | Ssn | Bdate | Address | Sex | Salary | Super\_ssn | Dno |
| Smith | 123456789 | 1/9/1965 | 731 Fondren, Houston, TX | M | 30000 | 3.33E+08 | 5 |
| Wong | 333445555 | 12/8/1955 | 638 Voss, Houston, TX | M | 40000 | 8.89E+08 | 5 |
| Zelaya | 999887777 | 1/19/1968 | 3321 Castle, Spring, TX | F | 25000 | 9.88E+08 | 4 |
| Wallace | 987654321 | 6/20/1941 | 291 Berry, Bellaire, TX | F | 43000 | 8.89E+08 | 4 |
| Narayan | 666884444 | 9/15/1962 | 975 Fire Oak, Humble, TX | M | 38000 | 3.33E+08 | 5 |
| English | 453453453 | 7/31/1972 | 5631 Rice, Houston, TX | F | 25000 | 3.33E+08 | 5 |
| Jabbar | 987987987 | 3/29/1969 | 980 Dallas, Houston, TX | M | 25000 | 9.88E+08 | 4 |
| Borg | 888665555 | 11/10/1937 | 450 Stone, Houston, TX | M | 55000 | NULL | 1 |

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| --- | --- | --- | --- |
| Dname | Dnumber | Mgr\_ssn | Mgr\_start\_date |
| Research | 5 | 3.33E+08 | 5/22/1988 |
| Administration | 4 | 9.88E+08 | 1/1/1995 |
| Headquarters | 1 | 8.89E+08 | 6/19/1981 |

|  |  |  |  |
| --- | --- | --- | --- |
| Pname | Pnumber | Plocation | Dnum |
| ProductX | 1 | Bellaire | 5 |
| ProductY | 2 | Sugarland | 5 |
| ProductZ | 3 | Houston | 5 |
| Computerization | 10 | Stafford | 4 |
| Reorganization | 20 | Houston | 1 |
| Newbenefits | 30 | Stafford | 4 |

|  |  |  |
| --- | --- | --- |
| Essn | Pno | Hours |
| 123456789 | 1 | 32.5 |
| 123456789 | 2 | 7.5 |
| 666884444 | 3 | 40 |
| 453453453 | 1 | 20 |
| 453453453 | 2 | 20 |
| 333445555 | 2 | 10 |
| 333445555 | 3 | 10 |
| 333445555 | 10 | 10 |
| 333445555 | 20 | 10 |
| 999887777 | 30 | 30 |
| 999887777 | 10 | 10 |
| 987987987 | 10 | 35 |
| 987987987 | 30 | 5 |
| 987654321 | 30 | 20 |
| 987654321 | 20 | 15 |
| 888665555 | 20 | NULL |

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| Essn | Dependent\_name | Sex | Bdate | Relationship |
| 333445555 | Alice | F | 4/5/1986 | Daughter |
| 333445555 | Theodore | M | 10/25/1983 | Son |
| 333445555 | Joy | F | 5/3/1958 | Spouse |
| 987654321 | Abner | M | 2/28/1942 | Spouse |
| 123456789 | Michael | M | 1/4/1988 | Son |
| 123456789 | Alice | F | 12/30/1988 | Daughter |
| 123456789 | Elizabeth | F | 5/5/1967 | Spouse |

EMPLOYEE

|  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- |
| Lname | Ssn | Bdate | Address | Sex | Salary | Super\_ssn | Dno |
| Smith | 123456789 | 1/9/1965 | 731 Fondren, Houston, TX | M | 30000 | 3.33E+08 | 5 |
| Wong | 333445555 | 12/8/1955 | 638 Voss, Houston, TX | M | 40000 | 8.89E+08 | 5 |
| Zelaya | 999887777 | 1/19/1968 | 3321 Castle, Spring, TX | F | 25000 | 9.88E+08 | **4** |
| Wallace | 987654321 | 6/20/1941 | 291 Berry, Bellaire, TX | F | 43000 | 8.89E+08 | **4** |
| Narayan | 666884444 | 9/15/1962 | 975 Fire Oak, Humble, TX | M | 38000 | 3.33E+08 | 5 |
| English | 453453453 | 7/31/1972 | 5631 Rice, Houston, TX | F | 25000 | 3.33E+08 | 5 |
| Jabbar | 987987987 | 3/29/1969 | 980 Dallas, Houston, TX | M | 25000 | 9.88E+08 | **4** |
| Borg | 888665555 | 11/10/1937 | 450 Stone, Houston, TX | M | 55000 | NULL | 1 |

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| --- | --- | --- | --- | --- | --- | --- | --- |
| Lname | Ssn | Bdate | Address | Sex | Salary | Super\_ssn | Dno |
| Zelaya | 999887777 | 1/19/1968 | 3321 Castle, Spring, TX | F | 25000 | 9.88E+08 | **4** |
| Wallace | 987654321 | 6/20/1941 | 291 Berry, Bellaire, TX | F | 43000 | 8.89E+08 | **4** |
| Jabbar | 987987987 | 3/29/1969 | 980 Dallas, Houston, TX | M | 25000 | 9.88E+08 | **4** |

Project:

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| --- | --- | --- | --- | --- | --- | --- | --- |
| Lname | Ssn | Bdate | Address | Sex | Salary | Super\_ssn | Dno |
| Smith | 123456789 | 1/9/1965 | 731 Fondren, Houston, TX | M | 30000 | 3.33E+08 | 5 |
| Wong | 333445555 | 12/8/1955 | 638 Voss, Houston, TX | M | 40000 | 8.89E+08 | 5 |
| Zelaya | 999887777 | 1/19/1968 | 3321 Castle, Spring, TX | F | 25000 | 9.88E+08 | **4** |
| Wallace | 987654321 | 6/20/1941 | 291 Berry, Bellaire, TX | F | 43000 | 8.89E+08 | **4** |
| Narayan | 666884444 | 9/15/1962 | 975 Fire Oak, Humble, TX | M | 38000 | 3.33E+08 | 5 |
| English | 453453453 | 7/31/1972 | 5631 Rice, Houston, TX | F | 25000 | 3.33E+08 | 5 |
| Jabbar | 987987987 | 3/29/1969 | 980 Dallas, Houston, TX | M | 25000 | 9.88E+08 | **4** |
| Borg | 888665555 | 11/10/1937 | 450 Stone, Houston, TX | M | 55000 | NULL | 1 |

|  |
| --- |
| Dno |
| 5 |
| **4** |
| 1 |

DEPARTMENT

|  |  |  |  |
| --- | --- | --- | --- |
| **Dname** | **Dnumber** | **Mgr\_ssn** | **Mgr\_start\_date** |
| Research | 5 | 3.33E+08 | 5/22/1988 |
| Administration | 4 | 9.88E+08 | 1/1/1995 |

PROJECT

|  |  |  |  |
| --- | --- | --- | --- |
| **Pname** | **Pnumber** | **Plocation** | **Dnum** |
| ProductX | 1 | Bellaire | 5 |
| ProductY | 2 | Sugarland | 5 |

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| --- | --- | --- | --- | --- | --- | --- | --- |
| **Dname** | **Dnumber** | **Mgr\_ssn** | **Mgr\_start\_date** | **Pname** | **Pnumber** | **Plocation** | **Dnum** |
| Research | 5 | 3.33E+08 | 5/22/1988 | ProductX | 1 | Bellaire | 5 |
| Administration | 4 | 9.88E+08 | 1/1/1995 | ProductX | 1 | Bellaire | 5 |
| Research | 5 | 3.33E+08 | 5/22/1988 | ProductY | 2 | Sugarland | 5 |
| Administration | 4 | 9.88E+08 | 1/1/1995 | ProductY | 2 | Sugarland | 5 |

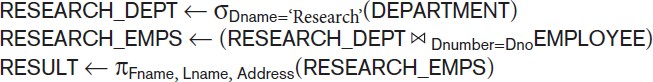
EMPLOYEE

|  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- |
| Lname | Ssn | Bdate | Address | Sex | Salary | Super\_ssn | Dno |
| Smith | 123456789 | 1/9/1965 | 731 Fondren, Houston, TX | M | 30000 | 3.33E+08 | 5 |
| Wong | 333445555 | 12/8/1955 | 638 Voss, Houston, TX | M | 40000 | 8.89E+08 | 5 |
| Zelaya | 999887777 | 1/19/1968 | 3321 Castle, Spring, TX | F | 25000 | 9.88E+08 | 4 |
| Wallace | 987654321 | 6/20/1941 | 291 Berry, Bellaire, TX | F | 43000 | 8.89E+08 | 4 |
| Narayan | 666884444 | 9/15/1962 | 975 Fire Oak, Humble, TX | M | 38000 | 3.33E+08 | 5 |
| English | 453453453 | 7/31/1972 | 5631 Rice, Houston, TX | F | 25000 | 3.33E+08 | 5 |
| Jabbar | 987987987 | 3/29/1969 | 980 Dallas, Houston, TX | M | 25000 | 9.88E+08 | 4 |
| Borg | 888665555 | 11/10/1937 | 450 Stone, Houston, TX | M | 55000 | NULL | 1 |

DEPARTMENT

|  |  |  |  |
| --- | --- | --- | --- |
| Dname | Dnumber | Mgr\_ssn | Mgr\_start\_date |
| Research | 5 | 3.33E+08 | 5/22/1988 |
| Administration | 4 | 9.88E+08 | 1/1/1995 |
| Headquarters | 1 | 8.89E+08 | 6/19/1981 |

Query: Retrieve the name and address of all employees who work for the ‘Research’ department.



DEPARTMENT

|  |  |  |  |
| --- | --- | --- | --- |
| Dname | Dnumber | Mgr\_ssn | Mgr\_start\_date |
| Research | 5 | 3.33E+08 | 5/22/1988 |
| Administration | 4 | 9.88E+08 | 1/1/1995 |
| Headquarters | 1 | 8.89E+08 | 6/19/1981 |

RESEARCH\_DEPT

|  |  |  |  |
| --- | --- | --- | --- |
| Dname | Dnumber | Mgr\_ssn | Mgr\_start\_date |
| Research | 5 | 3.33E+08 | 5/22/1988 |

RESEARCH\_EMPS

|  |  |  |  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| Dname | Dnumber | Mgr\_ssn | Mgr\_start\_date |  | Lname | Ssn | Bdate | Address | Sex | Salary | Super\_ssn | Dno |
| Research | 5 | 3.33E+08 | 5/22/1988 |  | Smith | 123456789 | 1/9/1965 | 731 Fondren, Houston, TX | M | 30000 | 3.33E+08 | 5 |
| Research | 5 | 3.33E+08 | 5/22/1988 |  | Wong | 333445555 | 12/8/1955 | 638 Voss, Houston, TX | M | 40000 | 8.89E+08 | 5 |
| Research | 5 | 3.33E+08 | 5/22/1988 |  | Narayan | 666884444 | 9/15/1962 | 975 Fire Oak, Humble, TX | M | 38000 | 3.33E+08 | 5 |
| Research | 5 | 3.33E+08 | 5/22/1988 |  | English | 453453453 | 7/31/1972 | 5631 Rice, Houston, TX | F | 25000 | 3.33E+08 | 5 |

RESULT

|  |  |  |
| --- | --- | --- |
| Fname | Lname | Address |
| … | Smith | 731 Fondren, Houston, TX |
|  | Wong | 638 Voss, Houston, TX |
|  | Narayan | 975 Fire Oak, Humble, TX |
|  | English | 5631 Rice, Houston, TX |