**Assignment 3**

Q 1. Considering the given relations, operate the following queries:

**STUD\_MEMBER**

|  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- |
| Roll\_No | F\_Name | M\_Name | S\_Name | Dept\_ID | Semester | Contact\_No | Gender |
| 1 | Ankur | Samir | Kahar | 1 | 1 | 272121 | M |
| 2 | Dhaval | Dhiren | Joshi | 1 | 1 | 232122 | M |
| 3 | Ankita | Biren | Shah | 1 | 1 | 112121 | F |
| 10 | Komal | Maheskumar | Pandey | 2 | 3 | 123123 | F |
| 13 | Amit | Jitenkumar | Mehta | 3 | 3 | 453667 | M |
| 23 | Jinal | Ashish | Gandhi | 2 | 1 | 323232 | M |
| 22 | Ganesh | Asha | Patel | 2 | 3 | 124244 | M |
| 4 | Shweta | Mihir | Patel | 3 | 1 | 646342 | F |
| 7 | Pooja | Mayank | Desai | 3 | 3 | 328656 | F |
| 8 | Komal | Krishnaraj | Bhatia | 2 | 3 | 257422 | F |
| 43 | Kiran | Viraj | Shah | 1 | 1 | 754124 | F |

**DEPARTMENT**

|  |  |
| --- | --- |
| Dept\_ID | Dept\_Name |
| 1 | Information Technology |
| 2 | Electrical |
| 3 | Civil |
| 4 | Mechanical |
| 5 | Chemical |

|  |  |
| --- | --- |
| 1 | Display the names and contact number of all student member |
| 2 | Give the names and roll numbers of all students of information technology who are the members |
| 3 | Display the names of department whose students are members |
| 4 | Display the names of departments for which no student are the members |
| 5 | Display the names of all departments |
| 6 | Find the names of students of electrical department who are the members |
| 7 | Display the information of students members whose names begin with the letter A |
| 8 | Display all the details of male members only |
| 9 | Display the data of student members who are currently in semester 3 |
| 10 | Display the data of student female member in alphabetic order |

Q2 Consider the following relations and operate the given queries

**Table: sales**

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| OrderID | OrderDate | OrderPrice | OrderQuantity | CustomerName |
| 1 | 12/22/2005 | 160 | 2 | Smith |
| 2 | 8/10/2005 | 190 | 2 | Johnson |
| 3 | 7/13/2005 | 500 | 5 | Baldwin |
| 4 | 7/15/2005 | 420 | 2 | Smith |
| 5 | 12/22/2005 | 1000 | 4 | Wood |
| 6 | 10/2/2005 | 820 | 4 | Smith |
| 7 | 11/3/2005 | 2000 | 2 | Baldwin |
| 8 | 12/22/2002 | 1000 | 4 | Wood |
| 9 | 12/29/2004 | 5000 | 4 | Smith |

**Table: products**

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| Product\_id | OrderId | Manufacture\_Date | Raw\_Material | Vendor\_Id |
| AZ145 | 2 | 12/23/2005 | Steel | 1 |
| CS784 | 4 | 11/28/2005 | Plastic | 2 |
| AZ147 | 6 | 8/15/2002 | Steel | 3 |
| FD344 | 3 | 11/3/2005 | Milk | 1 |
| GR233 | 3 | 11/30/2005 | Pulses | 2 |
| FD123 | 2 | 10/3/2005 | Milk | 2 |
| CS783 | 1 | 11/3/2004 | Plastic | 2 |
| CS435 | 5 | 11/4/2001 | Steel | 1 |
| GR567 | 6 | 9/3/2005 | Pulses | 2 |
| FD267 | 5 | 21/3/2002 | Bread | 4 |
| FD333 | 9 | 12/12/2001 | Milk | 1 |

**Table: Vendor\_info**

|  |  |
| --- | --- |
| Vendor\_id | Vendor\_name |
| 1 | Smith |
| 2 | Wills |
| 3 | Johnson |
| 4 | Roger |

**Table:Vendors**

|  |  |  |
| --- | --- | --- |
| Raw\_material | Vendors | Vendor\_id |
| Steel | Smith | 1 |
| Plastic | Wills | 2 |
| Steel | Johnson | 3 |
| Milk | Smith | 1 |
| Pulses | Wills | 2 |
| Bread | Roger | 4 |
| Bread | Wills | 2 |
| Milk | Wills | 2 |

1. Display product information which are ordered in the same year of its manufacturing year.

2. Display product information which are ordered in the same year of its manufacturing year where vendor is “smith‟.

3. Display total no. of orders placed in each year.

4. Display total no. of orders placed in each year by vendor Wills.

5. Display the name of all those persons who are vendors and customers both.

6. Display total no. of food items ordered every year.

7. Display total no. of food items ordered every year made from Bread.

8. Display list of product\_id whose vendor and customer is different.

9. Display all those customers who are ordering products of milk by smith.

10. Display total no. of orders by each vendor every year.