**MYSQL- ITEM AND VENDOR**

select \* from item;

+-------+------------------+-------+--------+-------+

| icode | iname | price | colour | vcode |

+-------+------------------+-------+--------+-------+

| S001 | Refrigerator | 2000 | Blue | P01 |

| S002 | Mobile Phone | 45000 | Black | P02 |

| S003 | LCD | 60000 | Silver | P03 |

| S004 | Washing Machine | 12500 | Smoke | P01 |

| S005 | Air Conditioning | 16000 | White | P03 |

| S006 | Refrigerator | 15000 | White | P02 |

select \* from vendor;

+-------+--------+----------+

| vcode | vname | vcity |

+-------+--------+----------+

| P01 | Satish | Mumbai |

| P02 | Manoj | Delhi |

| P03 | Subodh | Chennai |

| P04 | Jacob | Banglore |

+-------+--------+----------+

**QUESTION**:

1. **Display item code, item name, vendor name, and vendor city of all the vendors, who manufacture “Refrigerator”**

select icode, iname, vname, vcity from item natural join vendor where iname = 'Refrigerator';

+-------+--------------+--------+--------+

| icode | iname | vname | vcity |

+-------+--------------+--------+--------+

| S001 | Refrigerator | Satish | Mumbai |

| S006 | Refrigerator | Manoj | Delhi |

+-------+--------------+--------+--------+

1. **Display item code, item name and price of all the products whose price is more than 20000 and vendor from Delhi**

select icode, iname, price from item natural join vendor where price>20000 and vcity = 'Delhi';

+-------+--------------+-------+

| icode | iname | price |

+-------+--------------+-------+

| S002 | Mobile Phone | 45000 |

+-------+--------------+-------+

1. **Display the count of items for each vendor code**

select count(icode) from item natural join vendor group by vcode;

+--------------+

| count(icode) |

+--------------+

| 2 |

| 2 |

| 2 |

+--------------+

1. **Display the average price of items vendor code wise**

select avg(price) from item natural join vendor group by vcode;

+------------+

| avg(price) |

+------------+

| 7250.0000 |

| 30000.0000 |

| 38000.0000 |

+------------+

1. **Insert into vendor values(‘P05’, ‘Martin’, ‘Banglore’)**

insert into vendor values(‘P05’m ‘Martin’, ‘Banglore’);

Query OK, 1 row affected (0.09 sec)