***Assignment –5* Relational and Logical Operators.**

1. Write a query that will give you all orders for more than Rs. 1,000.

**Query :-** select \* from Orders where amt>1000;

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

| Onum | Amt | Odate | Cnum | Snum |

+------+---------+------------+------+------+---|

| 3002 | 1900.10 | 1990-10-03 | 2007 | 1004 |

| 3005 | 5160.45 | 1990-10-03 | 2003 | 1002 |

| 3006 | 1098.16 | 1990-10-03 | 2008 | 1007 |

| 3009 | 1713.23 | 1990-10-04 | 2002 | 1003 |

| 3008 | 4723.00 | 1990-10-05 | 2006 | 1001 |

| 3010 | 1309.95 | 1990-10-06 | 2004 | 1002 |

| 3011 | 9891.88 | 1990-10-06 | 2006 | 1001 |

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1. Write a query that will give you the names and cities of all salespeople in London with a commission above .10.

**Query :-** SELECT sname, city

FROM Salespeople

WHERE city = 'London' AND comm > 0.10;

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| sname | city |

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

| Peel | London |

| Motika | London |

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

1. Write a query on the Customers table whose output will exclude all

**Query :-** customers with a rating <= 100, unless they are located in Rome.

SELECT \*

FROM Customers

WHERE rating > 100 OR city = 'Rome';

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

| Cnum | Cname | City | Rating | Snum |

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

| 2001 | Ravi | Pune | 300 | 1003 |

| 2002 | Meera | London | 200 | 1001 |

| 2003 | Sahil | Amravati | 250 | 1002 |

| 2002 | Giovanni | Rome | 200 | 1003 |

| 2003 | Liu | San Jose | 200 | 1002 |

| 2004 | Grass | Berlin | 300 | 1002 |

| 2008 | Cisneros | San Jose | 300 | 1007 |

| 2007 | Pereira | Rome | 100 | 1004 |

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1. What will be the output from the following query?

Select \* from Orders where (Amt < 1000 OR NOT (Odate = ‘1990-10-03’ AND Cnum > 2003));

1. What will be the output of the following query?

Select \* from Orders

where NOT ((odate = ‘1990-10-03’ OR snum

>1006) AND amt >= 1500);

+------+---------+------------+------+------+---|

| Onum | Amt | Odate | Cnum | Snum |

+------+---------+------------+------+------+---|

| 3001 | 18.69 | 1990-10-03 | 2008 | 1007 |

| 3003 | 767.19 | 1990-10-03 | 2001 | 1001 |

| 3005 | 5160.45 | 1990-10-03 | 2003 | 1002 |

| 3009 | 1713.23 | 1990-10-04 | 2002 | 1003 |

| 3007 | 75.75 | 1990-10-04 | 2004 | 1002 |

| 3008 | 4723.00 | 1990-10-05 | 2006 | 1001 |

| 3010 | 1309.95 | 1990-10-06 | 2004 | 1002 |

| 3011 | 9891.88 | 1990-10-06 | 2006 | 1001 |

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1. What is a simpler way to write this query?

Select Snum, Sname, city, comm From Salespeople where (comm > .12 OR comm <.14);

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

| Snum | Sname | city | comm |

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

| 1001 | Peel | London | 0.12 |

| 1002 | Serres | San Jose | 0.13 |

| 1004 | Motika | London | 0.11 |

| 1007 | Rifkin | Barcelona | 0.15 |

| 1003 | Axelrod | New York | 0.10 |

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