***Assignment –6***

Using Special Operators in Conditions.

1. Write two different queries that would produce all orders taken on October 3rd or 4th, 1990.

SELECT \* from orders where odate in('1990-10-03','1990-10-04');

mysql> SELECT \* from orders where odate in('1990-10-03','1990-10-04');

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

| Onum | Amt | Odate | Cnum | Snum |

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

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

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

| 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 |

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

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|  |  |  |  |  |

SELECT \* from orders where odate between '1990-10-03' AND '1990-10-04';

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

| Onum | Amt | Odate | Cnum | Snum |

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

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

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

| 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 |

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

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1. Write a query that selects all of the customers serviced by Peel or Motika. (Hint: the snum field relates the two tables to one another).

SELECT \*

FROM Customers

WHERE Snum IN (

SELECT Snum

FROM Salespeople

WHERE Sname IN ('Peel', 'Motika')

);

1. Write a query that will produce all the customers whose names begin with a letter from ‘A’ to ‘G’.

SELECT \*

FROM Customers

WHERE Cname LIKE 'A%'

OR Cname LIKE 'B%'

OR Cname LIKE 'C%'

OR Cname LIKE 'D%'

OR Cname LIKE 'E%'

OR Cname LIKE 'F%'

OR Cname LIKE 'G%';

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SELECT \*

FROM Customers

WHERE Cname BETWEEN 'A' AND 'G' || '%';

SELECT \*

FROM Customers

WHERE SUBSTRING(Cname, 1, 1) IN ('A', 'B', 'C', 'D', 'E', 'F', 'G');

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

| Cnum | Cname | City | Rating | Snum |

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

| 2001 | Hoffman | London | 100 | 1001 |

| 2006 | Clemens | London | 100 | 1001 |

| 2007 | Pereira | Rome | 100 | 1004 |

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1. Write a query that selects all customers whose names begin with the letter ‘C’.

select \* from customers where cname like 'C%';

select \* from customers where cname like 'C%';

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

| Cnum | Cname | City | Rating | Snum |

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

| 2006 | Clemens | London | 100 | 1001 |

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

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1. Write a query that selects all orders except those with zeroes or NULLs in the amt field.

select \* from orders where amt>0 and amt is not null;

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