

Queries on SELECT command with WHERE and DATE function

1. Display the Employee Name, Job, and Start Date of Employees hired from February 1981 to May 1981.

```
select ename,job,empno,hiredate from emp where hiredate> "1981-02-01" and hiredate<"1981-05-31";
```

```
select ename,job,empno,hiredate from emp where hiredate between "1981-12-31" and "1982-12-31";
```

2. Display the Name and Hiredate of every Employee who was hired in 1982.

```
select ename,job,empno,hiredate from emp where hiredate> "1981-12-31" and hiredate<"1982-12-31";
```

3. Write a query to display the current date. Label the column as Current Date.

```
select now() as "current date";
```

```
select curdate() as "current date";
```

4. Display the Employee's Name, Hiredate, Salary and Review Date, which is first Monday after six months of service.

```
select ename,sal,date(hiredate),dayname(hiredate) daynm,adddate(date(hiredate),interval 6
```

```
month) "review date",dayname(adddate(date(hiredate),interval 6 month)) "dayname" from emp
```

```
where dayname(adddate(date(hiredate),interval 6 month))="monday";
```

```
+-----+-----+-----+-----+-----+-----+
| ename | sal  | date(hiredate) | daynm | review date | dayname |
+-----+-----+-----+-----+-----+-----+
| KING  | 5000.00 | 1981-11-17    | Tuesday | 1982-05-17 | Monday |
| TURNER | 1500.00 | 1981-09-08    | Tuesday | 1982-03-08 | Monday |
+-----+-----+-----+-----+-----+-----+
2 rows in set (0.00 sec)
```

5. Modify the query to display the dates as "Sunday, the Seventh of September, 1981".

```
mysql> select hiredate,date_format(hiredate,"%W , the of %M,%Y" ) from emp;
```

```
+-----+-----+
| hiredate      | date_format(hiredate,"%W , the of %M,%Y" ) |
+-----+-----+
| 1980-12-17 00:00:00 | Wednesday , the of December ,1980      |
| 1981-12-31 00:00:00 | Thursday , the of December ,1981        |
| 1981-07-19 00:00:00 | Sunday , the of July ,1981              |
| 1981-02-20 00:00:00 | Friday , the of February ,1981          |
| 1981-02-22 00:00:00 | Sunday , the of February ,1981          |
| 1981-04-02 00:00:00 | Thursday , the of April ,1981           |
| 1981-09-28 00:00:00 | Monday , the of September ,1981         |
| 1981-05-01 00:00:00 | Friday , the of May ,1981               |
| 1981-06-09 00:00:00 | Tuesday , the of June ,1981             |
```

```
| 1982-12-09 00:00:00 | Thursday, the of December, 1982 |
| 1981-11-17 00:00:00 | Tuesday, the of November, 1981 |
| 1981-09-08 00:00:00 | Tuesday, the of September, 1981 |
| 1983-01-12 00:00:00 | Wednesday, the of January, 1983 |
| 1981-12-03 00:00:00 | Thursday, the of December, 1981 |
| 1981-12-03 00:00:00 | Thursday, the of December, 1981 |
| 1982-03-24 00:00:00 | Wednesday, the of March, 1982 |
| 1980-02-14 00:00:00 | Thursday, the of February, 1980 |
| 1982-01-23 00:00:00 | Saturday, the of January, 1982 |
| 1980-02-14 00:00:00 | Thursday, the of February, 1980 |
| 1982-01-24 00:00:00 | Sunday, the of January, 1982 |
+-----+-----+
20 rows in set (0.00 sec)
```

6. Create a query to display the name and salary for all Employees. Format the salary to be 15 characters long by adding '\$'.
7. Display the Name, Hiredate and day of the week on which the employees started. Order the results by the Day of the week starting with Monday.
8. Display details of orders received in the year 1986.
9. Write a query to find out the DAY (for example, SUNDAY) of the current date.
10. Display the name and the date of joining of the employees who belong to department number 10. The date of joining should be formatted. For eg. if it is '10-JUN-97' it should be displayed as Fifteenth JUNE, 1997. The name of the employee should be in upper case.
11. Consider the Ord table. Find the difference between the Order Date and Ship Date in months as well as days. Label the columns appropriately.
12. List employee details who have joined in December.
13. Display day on which KING joined.
14. Display month on which MARTIN joined.
15. Find number of days elapsed between today's date and hiredate of 'ADAMS'.
16. Print the date, 15 days alter today's date.
17. List all employee hired in the month of December.
18. List all employee hired after 1980.
19. Display names and jobs of employee in the format SMITH-CLERK.
20. Show the length of names in EMP table. Eliminate duplicate length. Do not show the names.
21. List the names and hiredate of EMP in dept 20, display hiredate formatted as 12/03/1984.
22. Find the day of week on which SMITH joined.
23. Retrieve the ANALYST record with hiredate formatted as 'The 3rd of Oct. 1984'.
24. Calculate the total compensation expensive for each dept in 1 year. Assume that employees, who don't earn commission, receive non-monetary benefits than are worth Rs.1000 a month.
25. Display the Names of the Managers as follows-
 - a. If the employee code is 7788 the Manager is CLARK
 - b. If the employee code is 7698 the Manager is BLAKE
 - c. If the employee code is 7566 the Manager is JONES
 - d. For all other Employees the Manager is KING