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

|  |
| --- |
| **select ename, job, hiredate from emp where hiredate between '1981-02-01' and '1981-05-31';** |

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

|  |
| --- |
| **select ename, hiredate from emp where year(hiredate)='1982' ;** |

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

|  |
| --- |
| **SELECT CURRENT\_DATE AS "Current Date";** |

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

|  |
| --- |
| ***select ename as employee\_name, hiredate as hire\_date, sal as salary, date\_add(date\_add(hiredate, interval 6 month), interval (8 - dayofweek(date\_add(hiredate, interval 6 month))) % 7 day) as review\_date from emp where hiredate is not null;*** |

1. *Modify the query to display the dates as “Sunday, the Seventh of September, 1981”.*

|  |
| --- |
| ***SELECT ename,hiredate, sal, DATE\_FORMAT(DATE\_ADD(hiredate, INTERVAL 6 MONTH), '%W, the %D of %M, %Y') AS review\_date FROM emp;*** |

1. *Create a query to display the name and salary for all Employees. Format the salary to be 15 characters long by adding ‘$’.*

|  |
| --- |
| ***SELECT ename, RIGHT(REPLICATE(' ', 15) + '$' + CAST(ROUND(salary, 2) AS VARCHAR(15)), 15) AS formatted\_salary FROM emp;*** |

1. *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.*

|  |
| --- |
| ***select ename, hiredate, dayname(hiredate) as day\_of\_week from emp order by field(dayname(hiredate), 'monday', 'tuesday', 'wednesday', 'thursday', 'friday', 'saturday', 'sunday')****;* |

1. *Display details of orders received in the year 1986.*

|  |
| --- |
| ***select \*from orders where year(odate) = 1986;*** |

1. *Write a query to find out the DAY (for example, SUNDAY) of the current date.*

|  |
| --- |
| ***select dayname(curdate()) as current\_day;*** |

1. *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.*

|  |
| --- |
| ***SELECT UPPER(ENAME) AS employee\_name, DATE\_FORMAT(HIREDATE, '%d %M, %Y') AS formatted\_joining\_date FROM emp WHERE DEPTNO = 10;*** |

1. *Consider the Ord table. Find the difference between the Order Date and Ship Date in months as well as days. Label the columns appropriately.*

|  |
| --- |
| ***SELECT ORDID,ORDERDATE,SHIPDATE,TIMESTAMPDIFF(MONTH, ORDERDATE, SHIPDATE) AS months\_difference, DATEDIFF(SHIPDATE, ORDERDATE) AS days\_difference FROM Ord;*** |

1. *List employee details who have joined in December.*

|  |
| --- |
| ***select \*from emp where month(hiredate) = 12;*** |

1. *Display day on which KING joined.*

|  |
| --- |
| ***select dayname(hiredate) as join\_day from emp where ename = 'king';*** |

1. *Display month on which MARTIN joined.*

|  |
| --- |
| ***select Monthname(hiredate) as join\_day from emp where ename = 'martin';*** |

1. *Find number of days elapsed between today’s date and hiredate of ‘ADAMS’.*

|  |
| --- |
| ***SELECT DATEDIFF(CURDATE(), hiredate) AS days\_elapsed FROM emp WHERE ename = 'ADAMS';*** |

1. *Print the date, 15 days alter today’s date.*

|  |
| --- |
| ***SELECT CURDATE() + INTERVAL 15 DAY AS future\_date;*** |

1. *List all employee hired in the month of December.*

|  |
| --- |
| ***SELECT \* FROM emp WHERE MONTH(hiredate) = 12;*** |

1. *List all employee hired after 1980.*

|  |
| --- |
| ***select \*from emp where hiredate > '1980-12-31';*** |

1. *Display names and jobs of employee in the format SMITH-CLERK.*

|  |
| --- |
| ***select concat(ename, '-', job) as name\_job from emp;*** |

1. *Show the length of names in EMP table. Eliminate duplicate length. Do not show the names.*

|  |
| --- |
| ***select distinct length(ename) as name\_length from emp;*** |

1. *List the names and hiredate of EMP in dept 20, display hiredate formatted as 12/03/1984.*

|  |
| --- |
| ***select ename, to\_char(hiredate, 'mm/dd/yyyy') as formatted\_hire\_date from emp where deptno = 20;*** |

1. *Find the day of week on which SMITH joined.*

|  |
| --- |
| ***select dayname(hiredate) as day\_of\_week from emp where ename = 'smith';*** |

1. *Retrieve the ANALYST record with hiredate formatted as ‘The 3rd of Oct. 1984’.*

|  |
| --- |
| ***select concat('the ', day(hiredate), case day(hiredate) when 1 then 'st' when 2 then 'nd' when 3 then 'rd' else 'th' end, ' of ', date\_format(hiredate, '%b. %y')) as formatted\_hiredate from emp where job = 'analyst';*** |

1. *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.*

|  |
| --- |
| ***SELECT DEPTNO, SUM(SALARY + CASE WHEN COMMISSION IS NULL THEN 1000 \* 12 ELSE COALESCE(COMMISSION, 0) \* 12 END) AS total\_compensation FROM employees WHERE date\_joined BETWEEN '2022-01-01' AND '2022-12-31' GROUP BY DEPTNO;*** |

1. *Display the Names of the Managers as follows-*
2. *If the employee code is 7788 the Manager is CLARK*

|  |
| --- |
| *SELECT CASE WHEN (SELECT e2.NAME FROM employees e1 JOIN employees e2 ON e1.MANAGER\_ID = e2.EMPLOYEE\_ID WHERE e1.EMPLOYEE\_ID = 7788) = 'CLARK' THEN 'Yes' ELSE 'No' END AS Is\_Manager\_Clark;* |

1. *If the employee code is 7698 the Manager is BLAKE*

|  |
| --- |
|  |

1. *If the employee code is 7566 the Manager is JONES*

|  |
| --- |
|  |

1. *For all other Employees the Manager is KING*

|  |
| --- |
|  |