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| **QUESTIONS ON OPERATORS** |
| 1) LIST ALL THE EMPLOYEES WHOSE COMMISSION IS NULL  A:  SELECT ENAME  FROM EMP  WHERE COMM IS NULL; |
| 2) LIST ALL THE EMPLOYEES WHO DON’T HAVE A REPORTING MANAGER  A:  SELECT ENAME  FROM EMP  WHERE MGR IS NULL |
| 3) LIST ALL THE SALESMEN IN DEPT 30  A:  SELECT ENAME  FROM EMP  WHERE JOB ='SALESMAN' AND DEPTNO=30; |
| 4) LIST ALL THE SALESMEN IN DEPT NUMBER 30 AND HAVING SALARY GREATER THAN 1500  A:  SELECT ENAME  FROM EMP  WHERE JOB IN 'SALESMAN'  AND DEPTNO=30  AND SAL>1500; |
| 5) LIST ALL THE EMPLOYEES WHOSE NAME STARTS WITH ‘S’ OR ‘A’  A:  SELECT ENAME  FROM EMP  WHERE SUBSTR(ENAME,1,1) IN ('S','A'); |
| 6) LIST ALL THE EMPLOYEES EXCEPT THOSE WHO ARE WORKING IN DEPT 10 & 20.  A:  SELECT ENAME  FROM EMP  WHERE DEPTNO NOT IN ('10','20'); |
| 7) LIST THE EMPLOYEES WHOSE NAME DOES NOT START WITH ‘S’  A:  SELECT ENAME  FROM EMP  WHERE SUBSTR(ENAME,1,1) NOT IN 'S' |
| 8) LIST ALL THE EMPLOYEES WHO ARE HAVING REPORTING MANAGERS IN DEPT 10  A:  SELECT ENAME  FROM EMP  WHERE MGR IS NOT NULL  AND DEPTNO=10; |
| 9) LIST ALL THE EMPLOYEES WHOSE COMMISSION IS NULL AND WORKING AS CLERK  A:  SELECT ENAME  FROM EMP  WHERE COMM IS NULL  AND JOB ='CLERK'; |
| 10) LIST ALL THE EMPLOYEES WHO DON’T HAVE A REPORTING MANAGER IN DEPTNO 10 OR 30  A:  SELECT ENAME  FROM EMP  WHERE MGR IS NOT NULL  AND DEPTNO IN (10,30); |
| 11) LIST ALL THE SALESMEN IN DEPT 30 WITH SAL MORE THAN 2450  A:  SELECT ENAME  FROM EMP  WHERE JOB IN 'SALESMAN'  AND DEPTNO=30  AND SAL>2450; |
| 12) LIST ALL THE EMPLOYEES WITH ANNUAL SALARY EXCEPT THOSE WHO ARE WORKING IN DEPT 30  A:  SELECT EMP.\* , SAL\*12 AN\_SAL  FROM EMP  WHERE DEPTNO NOT IN 30; |
| 13) LIST ALL THE EMPLOYEES WHOSE NAME STARTS WITH ‘M’ OR ‘J’  A:  SELECT ENAME  FROM EMP  WHERE SUBSTR(ENAME,1,1) IN ('M','J'); |
| 14) LIST ALL THE ANALYST IN DEPT NUMBER 20 AND HAVING SALARY GREATER THAN 2500  A:  SELECT ENAME  FROM EMP  WHERE JOB IN 'ANALYST'  AND DEPTNO=20  AND SAL >2500; |
| 15) LIST THE EMPLOYEES WHOSE NAME DOES NOT END WITH ‘ES’ OR ‘R’  A:  SELECT ENAME  FROM EMP  WHERE ENAME LIKE '%ES'  OR ENAME LIKE '%R'; |
| 16) LIST ALL THE EMPLOYEES WHO ARE HAVING REPORTING MANAGERS IN DEPT 10 ALONG WITH 10% HIKE IN SALARY  A:  SELECT ENAME, 1.1\*SAL HIKE\_SAL  FROM EMP  WHERE MGR IS NOT NULL  AND DEPTNO=10; |
| 17) DISPLAY ALL THE EMPLOYEE WHO ARE ‘SALESMAN’S HAVING ‘E’ AS THE LAST BUT ONE CHARACTER IN ENAME BUT SALARY HAVING EXACTLY 4 CHARACTER  A:  SELECT \*  FROM EMP  WHERE JOB IN 'SALESMAN'  AND SAL LIKE ' \_\_\_\_'  AND ENAME LIKE '%E\_'; |
| 18) DISPLAY ALL THE EMPLOYEE WHO ARE JOINED AFTER YEAR 81  A:  SELECT ENAME  FROM EMP WHERE HIREDATE> '31-DEC-81'; |
| 19) DISPLAY ALL THE EMPLOYEE WHO ARE JOINED IN FEB  A:  SELECT ENAME  FROM EMP  WHERE HIREDATE LIKE'%FEB%'; |
| 20) LIST THE EMPLOYEES WHO ARE NOT WORKING AS MANAGERS AND CLERKS IN DEPT 10 AND 20 WITH A SALARY IN THE RANGE OF 1000 TO 3000  A:  SELECT ENAME  FROM EMP  WHERE JOB IN ('MANAGER','CLERK')  AND DEPTNO IN (10,30)  AND SAL BETWEEN 1000 AND 3000; |
| 21) LIST THE EMPLOYEES WHOSE SALARY NOT IN THE RANGE OF 1000 TO 2000 AND WORKING IN DEPT 10,20 OR 30 EXCEPT ALL SALESMEN  A:  SELECT ENAME  FROM EMP  WHERE DEPTNO IN (10,20,30)  AND JOB NOT IN 'SALESMAN'  AND SAL NOT BETWEEN 1000 AND 2000; |
| 22) LIST THE DEPARTMENT NAMES WHICH ARE HAVING LETTER ‘O’ IN THEIR LOCATIONS AS WELL AS THEIR DEPARTMENT NAMES  A:  SELECT DNAME  FROM DEPT  WHERE LOC LIKE '%O%'  AND DNAME LIKE '%O%' ; |
| 23) DISPLAY ALL THE EMPLOYEES WHOSE JOB HAS STRING ‘MAN’ IN IT.  A:  SELECT ENAME  FROM EMP  WHERE JOB LIKE '%MAN%'; |
| 24) LIST THE EMPLOYEES WHO ARE HIRED AFTER 82 AND BEFORE 87.  A:  SELECT ENAME  FROM EMP  WHERE HIREDATE<'01-JAN-87'  AND HIREDATE >'31-DEC-82' ; |
| 25) WAQTD ALL THE DETAILS OF EMPLOYEES HIRED IN NOVEMBER AND DECEMBER.  A:  SELECT \*  FROM EMP  WHERE HIREDATE LIKE '%NOV%'  AND HIREDATE LIKE '%DEC%'; |
| 26) LIST ALL THE EMPLOYEE NAMES AND COMISSION FOR THOSE EMPLOYEES WHO EARN COMISSION MORE THAN THEIR SALARY  A:  SELECT ENAME, COMM  FROM EMP  WHERE COMM>SAL; |
| 27) WAQTD NAME AND DESIGNATION FOR ALL THE EMPLOYEES HAVING REPORTING MANAGERS AND ALSO THRIE NAMES STARTING WITH ‘S’  A:  SELECT ENAME, JOB  FROM EMP  WHERE MGR IS NOT NULL  AND ENAME LIKE 'S%'; |
| 28) WAQTD NAME AND SALARY OF ALL THE EMPLOYEES IF THEIR ANNUAL SALARY ENDS WITH ‘0’ .  A:  SELECT ENAME, SAL  FROM EMP  WHERE SAL\*12 LIKE '%0'; |
| 29) WAQTD NAME OF THE EMPLOYEE HAVING ATLEAST 2L’s IN HIS NAME .  A:  SELECT ENAME  FROM EMP  WHERE ENAME LIKE '%L%L%'; |
| 30)WAQTD NAME OF THE EMPLOYEES WHOS NAME STARTS WITH A ‘VOWEL’  A:  SELECT ENAME  FROM EMP  WHERE ENAME LIKE 'A%'; |