**QUESTION\_SET-1**

**1.Write a query to list the employees whose age between 30 to 45 years**

SELECT EMP\_NAME ,TRUNC(MONTHS\_BETWEEN(SYSDATE,DOB)/12) AGE FROM EMP\_SRINI WHERE TRUNC(MONTHS\_BETWEEN(SYSDATE,DOB)/12) BETWEEN 30 AND 45;

**OR**

SELECT EMP\_NAME FROM EMP\_SRINI WHERE (MONTHS\_BETWEEN(SYSDATE,DOB)/12) BETWEEN 30 AND 45/

**2.Write a query to find the employees whose service period between 10 to 15 years.**

SELECT EMP\_NAME,ROUND(MONTHS\_BETWEEN(SYSDATE,DOJ)/12) AS SERVICE\_PERIOD FROM EMP\_SRINI WHERE (MONTHS\_BETWEEN(SYSDATE,DOJ)/12) BETWEEN 10 AND 15;

**OR**

SELECT EMP\_NAME FROM EMP\_SRINI WHERE (MONTHS\_BETWEEN(SYSDATE,DOJ)/12) BETWEEN 10 AND 15;

**3.Write a query to find the list of department whose total salary > 100000**

SELECT D.DEPT\_ID,D.DEPT\_NAME,SUM(BASIC\_SAL) AS SALARY FROM DEPT\_SRINI D, EMP\_SRINI E WHERE D.DEPT\_ID=E.DEPT\_ID GROUP BY D.DEPT\_ID,D.DEPT\_NAME HAVING SUM(BASIC\_SAL)>100000;

**OR**

SELECT A.DEPT\_NAME,B.BASIC\_SAL FROM DEPT\_SRINI A,EMP\_SRINI B WHERE A.DEPT\_ID = B.DEPT\_ID GROUP BY A.DEPT\_NAME,B.BASIC\_SAL HAVING BASIC\_SAL > 10000;

**4.Write a query to find the employee whose age greater than 35 and salary >35000 and service period<=10 years?**

SELECT EMP\_NAME FROM EMP\_SRINI WHERE (MONTHS\_BETWEEN(SYSDATE,DOB)/12) >35 AND BASIC\_SAL>35000 AND (MONTHS\_BETWEEN(SYSDATE,DOJ)/12) <=10;

**OR**

SELECT A.EMP\_NAME,A.BASIC\_SAL FROM EMP\_SRINI A,DEPT\_SRINI B WHERE (MONTHS\_BETWEEN(SYSDATE,DOB)/12) > 35 AND BASIC\_SAL > 35000 AND (MONTHS\_BETWEEN(SYSDATE,DOJ)) <= 10;

**5. Write query to display the following output?**

|  |  |  |
| --- | --- | --- |
| **Output** |  |  |
| Dept Id | Dept Name | No. of Emp |
| 100 | ADMIN | 2 |
| 110 | HR | 2 |
| 120 | FINANCE | 5 |
| 130 | PURCHASE | 3 |
| 140 | SALES | 3 |
| 150 | PRODUCTION | 3 |

SELECT EMP\_NAME FROM EMP\_SRINI WHERE (MONTHS\_BETWEEN(SYSDATE,DOB)/12) >35 AND BASIC\_SAL>35000 AND (MONTHS\_BETWEEN(SYSDATE,DOJ)/12) <=10;

**OR**

SELECT A.DEPT\_ID,A.DEPT\_NAME,COUNT(B.EMP\_NAME) FROM DEPT\_SRINI A,EMP\_SRINI B WHERE A.DEPT\_ID=B.DEPT\_ID GROUP BY A.DEPT\_ID,A.DEPT\_NAME ORDER BY A.DEPT\_ID;

**6.Write query to display the following output?**

|  |  |  |
| --- | --- | --- |
| Dept Id | Dept Name | DEPT SALARY |
| 100 | ADMIN | 124000 |
| 110 | HR | 90000 |
| 120 | FINANCE | 235500 |
| 130 | PURCHASE | 161000 |
| 140 | SALES | 147500 |
| 150 | PRODUCTION | 145000 |

SELECT A.DEPT\_ID,A.DEPT\_NAME,SUM(BASIC\_SAL) FROM DEPT\_SRINI A, EMP\_SRINI B WHERE A.DEPT\_ID=B.DEPT\_ID GROUP BY A.DEPT\_ID,A.DEPT\_NAME;

**OR**

SELECT A.DEPT\_ID,A.DEPT\_NAME,SUM(B.BASIC\_SAL) FROM DEPT\_SRINI A,EMP\_SRINI B WHERE A.DEPT\_ID=B.DEPT\_ID GROUP BY A.DEPT\_ID,A.DEPT\_NAME;

**7. Write a query to list the department whose total salary between 125000 to 165000 and total employee count > 3**

SELECT D.DEPT\_ID,D.DEPT\_NAME,COUNT(EMPID) FROM DEPT\_SRINI D,EMP\_SRINI E WHERE D.DEPT\_ID=E.DEPT\_ID AND BASIC\_SAL BETWEEN 125000 AND 165000 GROUP BY D.DEPT\_ID,D.DEPT\_NAME;

**OR**

SELECT A.DEPT\_ID,A.DEPT\_NAME,COUNT(EMPID) FROM DEPT\_SRINI A,EMP\_SRINI B WHERE A.DEPT\_ID = B.DEPT\_ID AND BASIC\_SAL BETWEEN 125000 AND 165000 GROUP BY A.DEPT\_ID,A.DEPT\_NAME,EMPID;

**8.Write a query to find the average age of the employee in each department**

|  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| |  |  |  | | --- | --- | --- | | Dept Id | Dept Name | AVG AGE | | 100 | ADMIN | 36.515 | | 110 | HR | 32.847 | | 120 | FINANCE | 39.071 | | 130 | PURCHASE | 36.576 | | 140 | SALES | 39.244 | | 150 | PRODUCTION | 40.272 | |  |  |
| SELECTD.DEPT\_ID,D.DEPT\_NAME,  ROUND(AVG(MONTHS\_BETWEEN(SYSDATE,DOB) /12)) AGE  FROM DEPT\_SRINI D, EMP\_SRINI E WHERE D.DEPT\_ID=E.DEPT\_ID GROUP BY D.DEPT\_ID,D.DEPT\_NAME;  **OR**  SELECT A.DEPT\_ID,A.DEPT\_NAME,AVG(MONTHS\_BETWEEN(SYSDATE,DOB)/12) FROM DEPT\_ID A,EMP\_SRINI B  WHERE A.DEPT\_ID=B.DEPT\_ID GROUP BY A.DEPT\_ID,A.DEPT\_NAME ORDER BY A.DEPT\_ID,A.DEPT\_NAME;  **9.Write a query to have the following output**   |  |  |  |  |  | | --- | --- | --- | --- | --- | | Dept Id | Dept Name | Male | Female | Total | | 100 | ADMIN | 2 |  | 2 | | 110 | HR | 2 |  | 2 | | 120 | FINANCE | 2 | 3 | 5 | | 130 | PURCHASE | 3 |  | 3 | | 140 | SALES | 3 |  | 3 | | 150 | PRODUCTION | 3 |  | 3 | |  |  |  |  |  | |  |  |
| SELECT DEPT\_ID,DEPT\_NAME,  COUNT(DECODE(GENDER,'FEMALE',1,NULL)) FEMALE,COUNT(DECODE(GENDER,'MALE',1,NULL)) MALE, COUNT(GENDER) GENDER FROM DEPT\_SRINI  GROUP BY DEPT\_ID,DEPT\_NAME; |  |  |

**10.Write a query to find the average salary of the employees in each department**

SELECT AVG(BASIC\_SAL) FROM EMP\_SRINI GROUP BY DEPT\_ID;

**11. Write a query to find the per day salary of the employee?**

SELECT EMP\_NAME,ROUND((BASIC\_SAL)/365)DAY\_SAL FROM EMP\_SRINI ;