|  |
| --- |
| **PMS\_DEPARTMENT\_DETAILS** |
| DEPARTMENT\_ID |
| DEPARTMENT\_NAME |
| DEPARTMENT\_LOCATION |
| DEPARTMENT\_EXTENSION |

|  |
| --- |
| **PMS\_EMPLOYEE\_DETAILS** |
| EMPLOYEE\_ID |
| EMPLOYEE\_NAME |
| JOB |
| MANAGER\_ID |
| SALARY |
| COMMISION |
| DEPARTMENT\_ID |

List the departments which doesn’t have any employees. Display DEPARTMENT\_ID, DEPARTMENT\_NAME

# Problem # 2:

Write a query to display the Department\_Name, Department\_Location whose number of employees are more than or equal to 5

# Problem # 3:

|  |
| --- |
| **PMS\_EMPLOYEE\_DETAILS** |
| EMPLOYEE\_ID |
| EMPLOYEE\_NAME |
| JOB |
| MANAGER\_ID |
| SALARY |
| COMMISION |
| DEPARTMENT\_ID |

List the Employees and their respective Managers. Display Employee\_ID, Employee\_Name, Job, and Manager\_Name.

# Problem # 4:

Find the 2nd Highest Salary Earner of all the Managers. Display Employee\_ID, Employee\_Name, Job, Salary, Commission, Department\_ID and Sort by salary in descending order

|  |
| --- |
| **PMS\_MANUFACTURING** |
| MANUFACTURE\_ID |
| PRODUCT\_ID |
| UNIT\_ID |
| QUANTITY |
| AVAILABILITY |
| PRODUCT\_MANUFACTURE\_DATE |
| PRODUCT\_EXPIRY\_DATE |

|  |
| --- |
| **PMS\_PRODUCT** |
| PRODUCT\_ID |
| PRODUCT\_NAME |
| DEPARTMENT\_ID |

Display the Manufactured products details that are belong to ‘GHEE SECTION’. Display MANUFACTURE\_ID, PRODUCT\_NAME,UNIT\_ID,QUANTITY,PRODUCT\_MANUFACTURE\_DATE,and PRODUCT\_EXPIRY\_DATE.

Hint: PMS\_MANUFACTURING TABLE ALIAS AS M PMS\_PRODUCT TABLE ALIAS AS P

# Problem # 6:

Find the total quantity manufactured with respect to each product and display the product id, product name and Quantity for each product.

# Problem # 7:

Display the PRODUCT\_ID, PRODUCT\_NAME, and DEPARTMENT\_ID which is manufactured maximum with respect to sum of quantity

# Problem # 8:

|  |  |
| --- | --- |
| **LMS\_BOOK\_ISSUE** |  |
| BOOK\_ISSUE\_NO |
| MEMBER\_ID |
|  |
| BOOK\_CODE |
| DATE\_ISSUE |
| DATE\_RETURN |
| DATE\_RETURNED |
| FINE\_RANGE |

|  |
| --- |
| **LMS\_MEMBERS** |
| MEMBER\_ID |
| MEMBER\_NAME |
| CITY |
| DATE\_REGISTER |
| DATE\_EXPIRE |
| MEMBERSHIP\_STATUS |

Write a query to display the member id, member name and number of remaining books he/she can take with “REMAININGBOOKS” as alias name. Hint: Assuming a member can take maximum 3 books. For example, Ramesh has already taken 2 books; he can take only one book now. Hence display the remaining books as 1 in below format.

Example:

MEMBER\_ID MEMBER\_NAME REMAININGBOOKS LM001 RAMESH 1

LM002 MOHAN 3

# Problem # 9:

|  |
| --- |
| **PMS\_UNIT\_DETAILS** |
| UNIT\_ID |
| UNIT\_NAME |
| PIECE\_WEIGHT |
| TOTAL\_PIECES |
| UNIT\_WEIGHT |

|  |  |  |  |
| --- | --- | --- | --- |
| **PMS\_PRODUCT** | | |  |
| PRODUCT\_ID | | |
| PRODUCT\_NAME | | |
| DEPARTMENT\_ID | | |
|  | |  | |
|  | **PMS\_PRODUCT\_UNIT** | | |
| PRODUCT\_ID | | |
| UNIT\_ID | | |

Display the Product details that are ends with MILK. Display PRODUCT\_ID, PRODUCT\_NAME, UNIT\_ID, and UNIT\_WEIGHT.

Hint: PMS\_PRODUCT Table Alias as P PMS\_PRODUCT\_UNIT Table Alias as U

PMS\_UNIT\_DETAILS Table Alias as D

# Problem # 10:

Display the Product Name’s along with their possible packing details in the order of Weight. Display PRODUCT\_NAME, UNIT\_NAME, TOTAL\_PIECES, and UNIT\_WEIGHT.

Hint: PMS\_PRODUCT Table Alias as P PMS\_PRODUCT\_UNIT Table Alias as U PMS\_UNIT\_DETAILS Table Alias as D **Problem # 11**

|  |
| --- |
| **PMS\_EMPLOYEE\_DETAILS** |
| EMPLOYEE\_ID |
| EMPLOYEE\_NAME |
| JOB |
| MANAGER\_ID |
| SALARY |
| COMMISION |
| DEPARTMENT\_ID |

|  |
| --- |
| **PMS\_PRODUCT** |
| PRODUCT\_ID |
| PRODUCT\_NAME |
| DEPARTMENT\_ID |

|  |
| --- |
| **PMS\_DEPARTMENT\_DETAILS** |
| DEPARTMENT\_ID |
| DEPARTMENT\_NAME |
| DEPARTMENT\_LOCATION |
| DEPARTMENT\_EXTENSION |

Write a Query to display the Employee name , department name , job, Manager name, No of products in the department

Hint : PMS\_DEPARTMENT\_DETAILS PMS\_EMPLOYEE\_DETAILS PMS\_PRODUCT

# Problem # 12:

|  |  |  |  |
| --- | --- | --- | --- |
| **LMS\_BOOK\_ISSUE** | | |  |
| BOOK\_ISSUE\_NO | | |
| MEMBER\_ID | | |
| BOOK\_CODE | | |
| DATE\_ISSUE | | |
| DATE\_RETURN | | |
| DATE\_RETURNED | | |
| FINE\_RANGE | | |
|  |  | |
| **LMS\_BOOK\_DETAILS** | |  |
| BOOK\_CODE | |  |
|  |  |
| BOOK\_TITLE | |  |
| CATEGORY | |  |
| AUTHOR | |  |
| PUBLICATION | |  |
| PUBLISH\_DATE | |  |
| BOOK\_EDITION | |  |
| PRICE | |  |
| RACK\_NUM | |  |
| DATE\_ARRIVAL | |  |
| SUPPLIER\_ID | |  |

|  |
| --- |
| **LMS\_FINE\_DETAILS** |
| FINE\_RANGE |
| FINE\_AMOUNT |

|  |  |
| --- | --- |
|  | **LMS\_MEMBERS** |
| MEMBER\_ID |
| MEMBER\_NAME |
| CITY |
|  |
| DATE\_REGISTER |
| DATE\_EXPIRE |
| MEMBERSHIP\_STATUS |

Write a query to display book issue number, member name, date of registration, date of expiry, book title, category author, price, date of issue, date of return, actual returned date, issue status, fine amount.