**SQL – TAKE HOME LAB\_EXERCISE – 01**

**USE HR SCHEMA:**

**PLEASE FIND LINK :DOWNLOAD THE HR SCHEMA AND IMPORT IN MY SQL**

[**https://drive.google.com/open?id=13bX310u9f-I46ta9\_h5z1M28zfa9i2Rf**](https://drive.google.com/open?id=13bX310u9f-I46ta9_h5z1M28zfa9i2Rf)

1. **Write a query to display all the locations (id, city) which do not have any state province mentioned.**

**(6 rows)[NOTE: LOCATION TABLE]**

**ANSWER:**

select location\_id,city from locations where state\_province is null;

1. **Write a query to display job\_id,job titles,min\_salary,max\_salary whose maximum salary is greater than 10000 .(9 rows)[NOTE : JOBS TABLE]**

**ANSWER:**

select JOB\_TITLE from jobs WHERE MAX\_SALARY > 10000;

**3.Write a query to display department\_id,department\_name,**

**Manager\_id whose manager\_id is greater than 200 and**

**location\_id is 2400.(1 row) [NOTE : DEPARTMENTS TABLE]**

**ANSWER:**

select department\_id,department\_name,manager\_id from departments where manager\_id > 200 and location\_id = 2400;

**4.Write a query to display the job title whose minimum**

**salary is greater than 8000 and max salary less than 20000**

**(3 rows).[NOTE : JOBS TABLE]**

**ANSWER:**

select job\_title from jobs where min\_salary >8000 and max\_salary < 20000;

1. **Write a query to retrieve all the records of departments with managers for the location id 1700. (5 rows)**

**[NOTE : DEPARTMENTS TABLE]**

**ANSWER:**

**select \* from departments where manager\_id is not null and location\_id=1700;**

**USE Orders SCHEMA:**

**PLEASE FIND LINK :DOWNLOAD ORDERS SCHEMA AND IMPORT IN MY SQL**

[**https://drive.google.com/open?id=15t6\_aO54J9iFPPirXLp9pUGcKGJ9NeYO**](https://drive.google.com/open?id=15t6_aO54J9iFPPirXLp9pUGcKGJ9NeYO)

1. **Write a query to Display the PRODUCT\_ID ,PRODUCT\_DESC, PRODUCT\_CLASS\_CODE,PRODUCT\_PRICE where the product category is any of 2050, 2053 or 2055.  
   (9 rows)[NOTE : PRODUCT TABLE]**

**ANSWER:**

Select PRODUCT\_ID,PRODUCT\_DESC,PRODUCT\_CLASS\_CODE, PRODUCT\_PRICE from product where PRODUCT\_CLASS\_CODE in (2050,2053,2055);

1. **Write a query to display the Customer\_id,order id, order\_date and orders shipment date in an ascending order of customer ids and descending order of order dates.**

**(53 rows)[NOTE:order header table]**

**ANSWER:**

select CUSTOMER\_ID,ORDER\_ID,ORDER\_DATE, ORDER\_SHIPMENT\_DATE from order\_header where ORDER\_STATUS='shipped' order by CUSTOMER\_ID asc,ORDER\_DATE desc;

1. **Write a query to List the details of products with class code 2050 where price is in the range of 10000 and 30000 and available quantity is more than 15.**

**(2 ROWS) [NOTE: PRODUCT TABLE]**

**ANSWER:**

select \* from product where PRODUCT\_CLASS\_CODE=2050 and PRODUCT\_PRICE between 5000 and 50000 and PRODUCT\_QUANTITY\_AVAIL > 15;

1. **Write a query to display all the records of order details which are not yet to be shipped.**

**(17 ROWS)[NOTE:ORDER\_HEADER TABLE]**

**ANSWER:**

select \* from order\_header where

ORDER\_STATUS !='shipped';

1. **Write a query to display all the records of order details which are shipped and payment\_mode either ‘credit card’ or ‘net banking’ and payment\_date greater than ‘2013-01-01’.(36 rows)[NOTE : ORDER\_HEADER TABLE]**

**ANSWER:**

select \* from order\_header where ORDER\_STATUS = 'shipped' and payment\_mode = 'credit card' or payment\_mode = 'net banking' and payment\_date > '2013-01-01';