

SQL-assignment 2

1.

- A) select distinct department
from worker;
- B) Select First_name
,substring (First_name,1,3) as 'first_char'
from worker;
- C) Select
charIndex('a', FIRST_NAME, 1) as char_index
from Worker
where FIRST_NAME like 'Amitabh';

doubt(a is placed in two positions how to represent these two positions)
- D) Select first_name
,replace (First_name, 'a', 'A') as replace
from worker
- E) Select First_name,
worker_id, LAST_NAME
, SALARY, joining_date,
DEPARTMENT
from worker
group by first_name, worker_id, last_name, salary, joining_date, department
order by 1
;
- F) Select * from worker
where department like ('admin');
- G) Select * from worker
where FIRST_NAME like '%h';
- H) Select * from worker
where SALARY between 100000 and 500000;
- I) Select * from worker
where JOINING_DATE like '%02/2014%'
- J) select department
, count(worker_id) as no_of_workers
from worker
group by department
order by no_of_workers desc
- K) select top 10 salary,

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WORKER_ID, FIRST_NAME, LAST_NAME, JOINING_DATE, DEPARTMENT
from worker
order by SALARY desc;
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L) select department
 , count(worker_id) as no_of_workers
 from worker
 group by department
 having count (WORKER_ID) <5

M) select department,
 sum(salary) as tot_amt
 from worker
 group by DEPARTMENT

2 question

1) Select
 worker.FIRST_NAME
 ,Projects.Project_name
 from Worker inner join Projects
 on Worker.WORKER_ID = projects.worker_ID
 order by worker.FIRST_NAME, projects.project_name;

2) Select
 worker.FIRST_NAME
 ,Projects.Project_name
 from Worker inner join Projects
 on Worker.WORKER_ID != projects.worker_ID
 order by worker.FIRST_NAME, projects.project_name;

3) Select
 worker.FIRST_NAME
 ,Projects.Project_name
 from Worker inner join Projects
 on Worker.WORKER_ID = projects.worker_ID
 order by worker.FIRST_NAME, projects.project_name;

4) Select
 a.FIRST_NAME
 , a.last_name
 ,b.Project_name
 from Worker as a left join Projects as b
 on a.WORKER_ID = b.worker_ID
 order by a.FIRST_NAME, b.project_name;

5) Select
 a.FIRST_NAME
 ,b.Project_name

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from Worker as a left join Projects as b
on a.WORKER_ID != b.worker_ID
order by a.FIRST_NAME, b.project_name;
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3. Question

1. SELECT
country,
COUNT(*) as no_ofcustomer
FROM
Customers
GROUP BY
Country;
2. Primary keys of all table given below
From customers.csv table- **customer_id, customer_name, contact name**
From orders.csv table- **orderdetailld**
From order_details.csv table- **order_id**
From product_details.csv- **productID, product name**
3. select a.city, a.country,
count(a.customername) as customer_count,
count (b.orderID) as total_orders
from Customers as a left join Order_Details as b
on a.customerID = b.CustomerID
group by a.city, a.country
4. SELECT year(Order_Details.OrderDate)as year, count(Order_Details.OrderID) as
total_orders,
COUNT(Orders.ProductID) as total_quantity,
COUNT(Product_Details.ProductID) as total_sales
FROM ((Order_Details
INNER JOIN Orders ON Order_Details.OrderID = Orders.OrderID)
INNER JOIN Product_Details ON Orders.ProductID = Product_Details.ProductID)
group by year(Order_Details.OrderDate);
5. select max(a.productname), count(b.quantity)
from Product_Details as a inner join Orders as b
on a.ProductID= b.ProductID
group by a.ProductName, b.Quantity

4.Question

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select a.customer_id, month(b.month) as month, sum(a.sales) as cumulativesales
from Q4 a, Q4 b
WHERE month(a.month) <= month(b.month) and a.customer_id= b.customer_id
GROUP BY a.Customer_ID, month(b.month)
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