**SQL Hands-on-4**

**Tables:**

**PK-> Primary Key**

1. **Employees:**

| **Employee\_number**  **[PK]** | **Last\_name** | **First\_name** | **Salary** | **dept\_id** |
| --- | --- | --- | --- | --- |
| **1001** | **Smith** | **John** | **62000** | **500** |
| **1002** | **Anderson** | **Jane** | **57500** | **500** |
| **1003** | **Everest** | **Brad** | **71000** | **501** |
| **1004** | **Horvath** | **Jack** | **42000** | **501** |
| **1005** | **Smith** | **Aaron** | **44000** | **503** |
| **1006** | **Stone** | **Scarlett** | **45000** | **501** |
| **1007** | **Horvath** | **Daniel** | **46000** | **502** |
| **1008** | **Johnson** | **Emma** | **48000** | **502** |

1. **Suppliers Table:**

| **Supplier\_id**  **[PK]** | **Supplier\_name** | **City** | **State** |
| --- | --- | --- | --- |
| **100** | **Microsoft** | **Redmond** | **Washington** |
| **200** | **Google** | **Mountain View** | **California** |
| **300** | **Oracle** | **Redwood City** | **California** |
| **400** | **Kimberly-Clark** | **Irving** | **Texas** |
| **500** | **Tyson Foods** | **Springdale** | **Arkansas** |
| **600** | **SC Johnson** | **Racine** | **Wisconsin** |
| **700** | **Dole Food Company** | **Westlake Village** | **California** |
| **800** | **Flowers Foods** | **Thomasville** | **Georgia** |
| **900** | **Electronic Arts** | **Redwood City** | **California** |

1. **Customers Table:**

| **Customer\_id**  **[PK]** | **last\_name** | **first\_name** | **favourite\_website** |
| --- | --- | --- | --- |
| **4000** | **Jackson** | **Joe** | **techonthenet.com** |
| **5000** | **Smith** | **Jane** | **digminecraft.com** |
| **6000** | **Ferguson** | **Samantha** | **bigactivities.com** |
| **7000** | **Reynolds** | **Allen** | **checkyourmath.com** |
| **8000** | **Anderson** | **Paige** | **NULL** |
| **9000** | **Johnson** | **Derek** | **techonthenet.com** |

1. **Orders Table:**

| **Order\_id**  **[PK]** | **customer\_id** | **order\_date** |
| --- | --- | --- |
| **1** | **7000** | **2016-04-18** |
| **2** | **5000** | **2016-04-18** |
| **3** | **8000** | **2016-04-19** |
| **4** | **4000** | **2016-04-20** |
| **5** | **6000** | **2016-05-01** |

1. Create a database and create and insert the above tables and perform the following tasks.

**Tasks:**

1. select all fields from the ‘employees’ table whose salary is atmost $52000.

2. Display all the cities of 'California’.

3. Display customerId along with the last\_name and the order\_date.

4. Display the customer\_id and last\_name from the customer's table where there is a record in the Orders table for that customer\_id.

5. Display the count of employees department-wise.

6. Find all the employees who earn more than the average salary in their department.

7. Display the first names of all the employees without any trailing spaces

8. Display the full name of the employee along with their salary.

9. Write a query in order to get the following output

10. How many suppliers are from Washington.

11. update the customer id of the table orders whose order\_id is 5 to 6000

12. Display the records of the customers who haven't placed any orders.

13. What are the highest salary and lowest salaries for each department?

14. Which department is having highest maximum salary among all the departments?

15. Which department is having lowest minimum salary among all the

departments?

16. Which state is having maximum suppliers?

17. Display the records whose first name starts with 'J'.

18. Which department id is having maximum employees.

19. In which month most of the customers have placed orders.

20. Display the details of the customers who placed the order

on May 1st of 2016.