**Assignment – 3**

1. Import **Job\_History.csv** **Departments.csv** **Employee\_A3.csv**

**After Importing do the following :**

1. Write a nested query in SQL to display the details of those departments in which max salary is 7000 or above for those employees who have already done one or more jobs.
2. Write a nested query to display all the information of the employees who do not work in those departments where manager id within the range 100 and 200.
3. Write a nested query to identify all the employees who earn more than the average and who work in any of the IT departments.
4. Write a nested query in SQL to display all the information of those employees who did not have any job in the past
5. Analyse 3 tables below(Customer sales ,store and product data) and write a nested query to find out the name of the most popular item in each of the 2 cities : - GS SQL Test Ques

|  |  |  |
| --- | --- | --- |
| **Cutomer\_Name** | **Item\_Code** | **Store\_ID** |
| Ajay | XG105 | 1235 |
| Ajay | XG102 | 1235 |
| Ajay | XG103 | 1235 |
| Shanu | XG103 | 8866 |
| Nitin | XG101 | 1235 |
| Abhishek | XG101 | 8866 |
| Abhishek | XG103 | 8866 |
| Luv | XG103 | 2113 |
| Akhil | XG104 | 2113 |
| Akhil | XG105 | 2113 |
| Rohit | XG103 | 8866 |
| Rohit | XG101 | 8866 |
| Naveen | XG102 | 2113 |
| Naveen | XG103 | 2113 |

|  |  |
| --- | --- |
| **Store\_ID** | **Store Location** |
| 1235 | Delhi |
| 2113 | Bangalore |
| 8866 | Delhi |

|  |  |
| --- | --- |
| **Item Code** | **Item Name** |
| XG101 | Blue Berry Cake |
| XG102 | Blackforest Cake |
| XG103 | Apple Pie |
| XG104 | Truffle |
| XG105 | Lemon Pie |

1. Do Assignment 2 - Question 4 using **Partitions** instead of using **self-join**
2. Use the 4 datasets created in Assignment 2 – Question 3 and calculate the following :

Name of the 2nd most popular product for each country in terms of Quantity Consumed

1. Create a function/Procedure to filter the orders from Orders table where sum of price of all products < @x where @x is the input provided by the user.