**Assignment 8.2**

**TASK :**

**Write a hive UDF that implements functionality of string concat\_ws(string SEP, array<string>). This UDF will accept two arguments, one string and one array of string. It will return a single string where all the elements of the array are separated by the SEP.**

**To complete this task below steps are followed:**

**Step 1: Started all hadoop daemons using start-all.sh command inside /$HADOOP\_HOME/sbin. Started mysqld service using sudo service mysqld start.**

**Step 2: Launched hive using hive command.**

**Step 3: Created emp\_array.txt file inside /home/acadgild/Documents/mydata/Hive/Practice with following contents:**

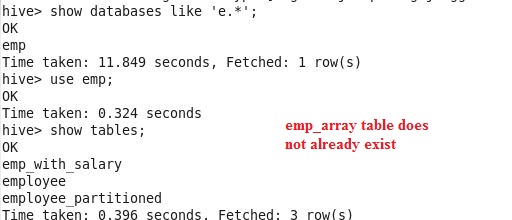
**Joe Analyst,Data Engineer,Data Consultant**

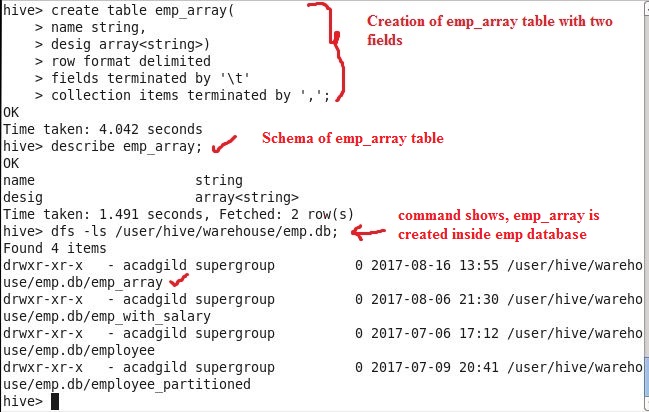
**Dan Analyst,Software Engineer,Software Consultant**

**Alex Director,Project Manager,Project Consultant**

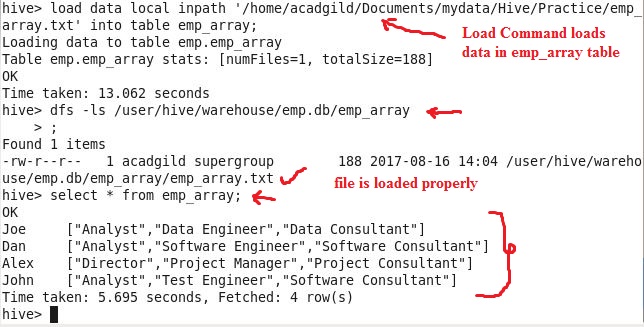
**John Analyst,Test Engineer,Software Consultant**

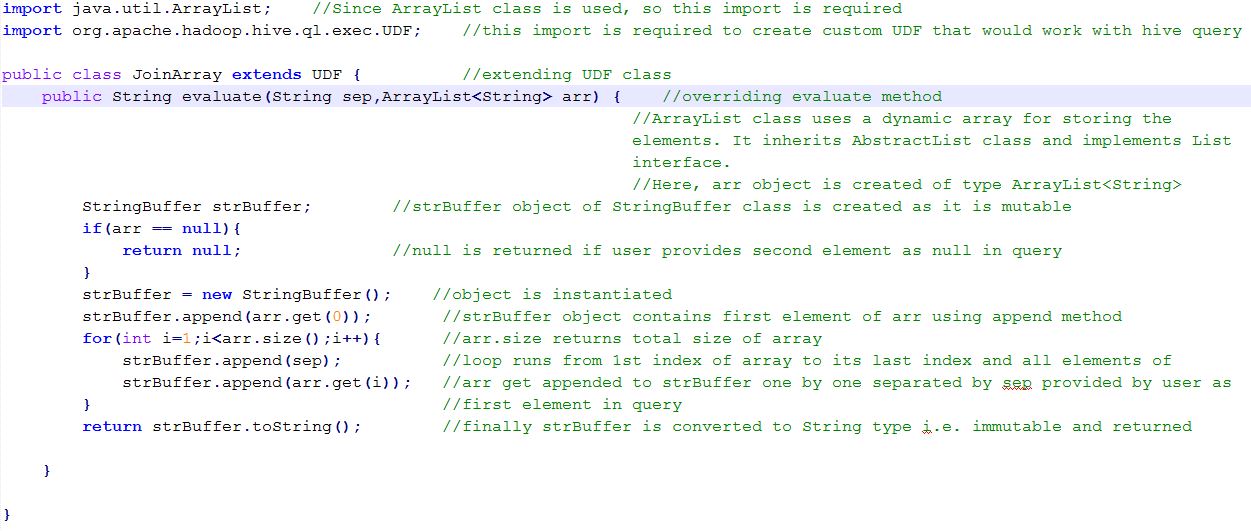
**Step 4: Created emp\_array table inside emp database as follows:**

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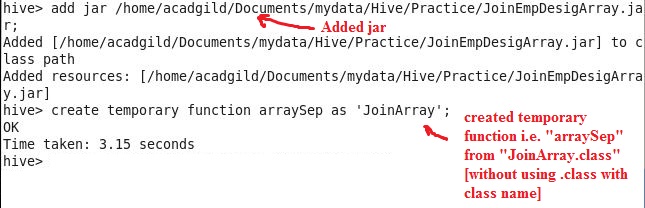
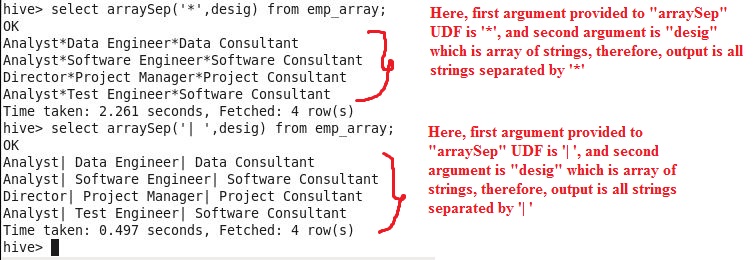
**Step 5: Loaded emp\_array table with data inside emp\_array.txt file as follows:**

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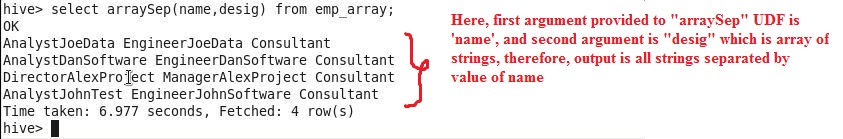
**Step 6: Created JoinArray class extending UDF class inside JoinArray.java file using eclipse, and code for UDF is as follows:**

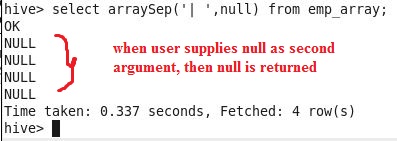
**Step 7: Created JoinEmpDesigArray.jar for file JoinArray.java.**

**Step 8: At hive prompt, added this jar i.e. JoinEmpDesigArray.jar, after successful addition of jar, created temporary function arraySep(param1,param2).**

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**Step 9: At hive prompt, executed query with UDF i.e. arraySep(), as follows:**

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