Below screenshot shows the creation of database and table-

```
hive> CREATE database employees;
OK
Time taken: 0.708 seconds
hive>
```

We are using similar file used as that in Task-1 but we are adding an extra column as "greet" . Below is the DDL query-

**create table emp3
(
emp_id int,
emp_name string,
sal int,
dept int,
greet string
)
ROW FORMAT DELIMITED
FIELDS TERMINATED BY ','**

Below is the screenshot-

```
hive (employees)> create table emp3
             > (
             > emp_id int,
             > emp_name string,
             > sal int,
             > dept int,
             > greet string
             > )
             > ROW FORMAT DELIMITED
             > FIELDS TERMINATED BY ',';
OK
Time taken: 0.61 seconds
```

After that we loaded data in the table emp3 using below command-

> ➤ **LOAD DATA LOCAL INPATH '/home/acadgild/hve/employee_details2.txt'**
> ➤ **INTO TABLE employees.emp3;**

```
hive (employees)> LOAD DATA LOCAL INPATH '/home/acadgild/hive/employee_details2.txt'
             > INTO TABLE employees.emp3;
Loading data to table employees.emp3
Table employees.emp3 stats: [numFiles=1, totalSize=529]
OK
Time taken: 1.504 seconds
hive (employees)> select * from emp3;
OK
emp3.emp_id    emp3.emp_name    emp3.sal        emp3.dept        emp3.greet
101     Amitabh 20000    1        Hi This is Amitabh
102     Shahrukh         10000   2        Hi This is Shahrukh
103     Akshay  11000    3        Hi This is Akshay
104     Anubhav 5000     4        Hi This is Anubhav
105     Pawan   2500     5        Hi This is Pawan
106     Aamir   25000    1        Hi This is Aamir
107     Salman  17500    2        Hi This is Salman
108     Ranbir  14000    3        Hi This is Ranbir
109     Katrina 1000     4        Hi This is Katrina
110     Priyanka         2000    5        Hi This is Priyanka
111     Tushar  500      1        Hi This is Tushar
112     Ajay    5000     2        Hi This is Ajay
113     Jubeen  1000     1        Hi This is Jubeen
114     Madhuri 2000     2        Hi This is Madhuri
```

After that we are adding JAR created from the JAVA class which is defining the UDF using below syntax-

> ➤ **ADD JAR /home/acadgild/hive/hive-task2.jar;**

After that we are creating a temporary function "conct" using below syntax-

➢ **CREATE TEMPORARY FUNCTION conct AS 'udf.ConcatStr';**

After that we run below query to take one column (NAME) input as String and another column(greet) as Array of Strings and concatenate them-

➢ **SELECT emp_id, sal, dept, conct(emp_name, greet) FROM emp3;**

Below is the screenshot for the same-

```
hive (employees)> ADD JAR /home/acadgild/hive/hive-task2.jar;
Added [/home/acadgild/hive/hive-task2.jar] to class path
Added resources: [/home/acadgild/hive/hive-task2.jar]
hive (employees)> CREATE TEMPORARY FUNCTION conct AS 'udf.ConcatStr';
OK
Time taken: 0.075 seconds
hive (employees)> SELECT emp_id, sal, dept, conct(emp_name, greet) FROM emp3;
OK
emp_id  sal     dept    _c3
101     20000   1       AmitabhHi This is Amitabh
102     10000   2       ShahrukhHi This is Shahrukh
103     11000   3       AkshayHi This is Akshay
104     5000    4       AnubhavHi This is Anubhav
105     2500    5       PawanHi This is Pawan
106     25000   1       AamirHi This is Aamir
107     17500   2       SalmanHi This is Salman
108     14000   3       RanbirHi This is Ranbir
109     1000    4       KatrinaHi This is Katrina
110     2000    5       PriyankaHi This is Priyanka
111     500     1       TusharHi This is Tushar
112     5000    2       AjayHi This is Ajay
113     1000    1       JubeenHi This is Jubeen
114     2000    2       MadhuriHi This is Madhuri
Time taken: 0.283 seconds, Fetched: 14 row(s)
hive (employees)> 
```