SESSION 8 ASSIGNMENT 2

**PROBLEM : 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.**

**SOLUTION**:

**Input File –**

AMAN,GOOD:GREAT:NICE

**JAVA CODE –**

public class concat\_array extends UDF{

public String evaluate (String separator, ArrayList<String> array) {

//To read string array we will use buffer

StringBuffer sBuffer;

if (array == null) {

return null;

}

sBuffer = new StringBuffer();

sBuffer.append(array.get(0));

//To iterate through all the strings in array one by one

for (int i=1; i < array.size(); i++) {

sBuffer.append(separator);

sBuffer.append(array.get(i));

}

return sBuffer.toString();

}}

**HIVE code –**

create table array(sep string, arra array<string>)

row format delimited fields terminated by ','

collection items terminated by ':';

describe array;

load data local inpath '/home/acadgild/hive/input'

into table array;

select \* from array;

add jar /home/acadgild/hive/Session\_8.jar;

create temporary function sep as 'Session\_8.concat\_array';

select sep(sep,arra) from array;

