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Data Warehousing & Mining Lab

Assignment

Lab - 1

Sub Code: CSE-326

Date: 12-01-2022

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**CSE - 3**

Department:

*Computer Science and Engineering*

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# Consider the sample data set (Sample.csv file Review the following attributes of the data set). Convert this into My SQL table:

Feature attributes:

• **Age**: continuous.

• **Work class:** Private, Self-emp-not-inc, Self-emp-inc, Federal-gov, Localgov State-Gov, Without-pay, Never-worked.

• **Final Weight**: continuous.

• **Education**: Bachelors, Some-college, 11th, HS-grad, Prof-school, Assocacdm, Assoc-voc, 9th, 7th-8th, 12th, Masters, 1st-4th, 10th, Doctorate 5th-6th, Preschool.

• **Education-num**: continuous.

• **Marital-status**: Married-civ-spouse, Divorced, Never-married, Separated, Widowed, Married-spouse-absent, Married-AF-spouse.

• **Occupation**: Tech-support, Craft-repair, Other-service, Sales, Execmanagerial Prof-specialty, Handlers-cleaners, Machine-op-inspct, Admclerical, Farming-fishing, Transport-moving, Priv-house-serv, Protectiveserv, Armed-Forces.

• **Relationship**: Wife, Own-child, Husband, Not-in-family, Other-relative, Unmarried.

• **Race**: White, Asian-Pac-Islander, Amer-Indian-Eskimo, Other, Black.

• **Sex**: Female, Male.

• **Capital-gain**: continuous.

• **Capital-loss**: continuous.

• **Hours-per-week**: continuous.

• **Native-country**: United-States, Cambodia, England, Puerto-Rico, Canada, Germany, Outlying US (Guam-USVI-etc), India, Japan etc.

• **Income**: >50K, <=50K.

**PHP, Visual C++, C# Java, SQL, R, Python**

### **Code**

-- Create Table

CREATE TABLE lab1 (

age varchar(100),

workclass VARCHAR(100),

finalweight varchar(100),

education varchar(100),

educationnum varchar(100),

maritalstatus varchar(100),

occupation varchar(100),

relationship varchar(100),

race varchar(100),

sex varchar(100),

capitalgain varchar(100),

capitalloss varchar(100),

hoursperweek varchar(100),

nativecountry varchar(100),

salary varchar(100)

);

--  Insert data from txt file

load data local infile 'F:/MANIT-Online class/Semester-6/CSE326 DWM Lab/Lab-1 12-01-2021/sample.txt' into table lab1

fields terminated by ','

lines terminated by '\n'

(age, workclass, finalweight, education, educationnum, maritalstatus, occupation,

relationship, race, sex, capitalgain, capitalloss, hoursperweek, nativecountry, salary);

-- Showing the data

select \* from lab1;

-- Count the rows of data

select count(\*) from lab1;

### Explanation for code

I have used MySQL for importing dataset into MySQL table using ‘MySQL Workbench IDE’. Firstly, I have created new Table named ‘*lab1*’ in my database CREATE TABLE command according to given description of data. Then, I have loaded the Sample.txt file using ‘load data local’ command *(note: we need to first enable loading local file in our server)* and separated field by ‘,’ and lines (entries) are separated by ‘\n’. Then at last output the data and count of no of rows in the data.

### Output



