Department of Computer Science and Engineering
Islamic University of Technology (IUT)
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Lab Report 1

CSE 4508 :RDBMS

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Step-1: We import csv file from google sheets.

Step-2: Then we create a control file with command prompt.After creating the control file we open it with 'notepad control.ctl' command in notepad to

edit.

```
File    Edit    View

LOAD DATA
INFILE "load_file.csv"
INSERT INTO TABLE salary
FIELDS TERMINATED BY ',' OPTIONALLY ENCLOSED BY'"'
TRAILING NULLCOLS
(
id,
name,
city,
amount
)
```

N.B :Here we control file and csv file are in the same directory.

Step-3: We create a table in SQL Plus .

```
SQL> DESCRIBE salary;
 Name                                      Null?    Type
 ----------------------------------------- -------- ----------------------------
 ID                                        NOT NULL NUMBER(38)
 NAME                                               VARCHAR2(50)
 CITY                                               VARCHAR2(50)
 AMOUNT                                             NUMBER

SQL>
```
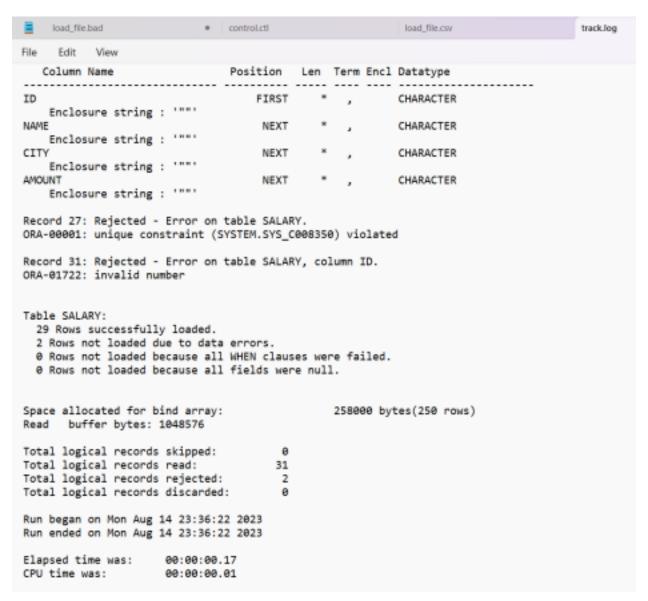
Step-4: Then in command prompt we run the cmd data 'sqlldr userid=username/password control=control.ctl log=track.log'

Step-5: Then there will be a log file in track.log where all the details of

data entry .

```
   Column Name                      Position   Len  Term Encl Datatype
------------------------------    ---------- ----- ---- ---- ----------------------
ID                                   FIRST     *   ,          CHARACTER
     Enclosure string : '"'
NAME                                  NEXT     *   ,          CHARACTER
     Enclosure string : '"'
CITY                                  NEXT     *   ,          CHARACTER
     Enclosure string : '"'
AMOUNT                                NEXT     *   ,          CHARACTER
     Enclosure string : '"'

Record 27: Rejected - Error on table SALARY.
ORA-00001: unique constraint (SYSTEM.SYS_C008350) violated

Record 31: Rejected - Error on table SALARY, column ID.
ORA-01722: invalid number


Table SALARY:
  29 Rows successfully loaded.
  2 Rows not loaded due to data errors.
  0 Rows not loaded because all WHEN clauses were failed.
  0 Rows not loaded because all fields were null.


Space allocated for bind array:                   258000 bytes(250 rows)
Read   buffer bytes: 1048576

Total logical records skipped:          0
Total logical records read:            31
Total logical records rejected:         2
Total logical records discarded:        0

Run began on Mon Aug 14 23:36:22 2023
Run ended on Mon Aug 14 23:36:22 2023

Elapsed time was:     00:00:00.17
CPU time was:         00:00:00.01
```

Step-5: There will be a bad file named 'load_file.bad' where all the entries which can't be inserted will be kept.

load_file.bad

File　Edit　View

```
27,ABH,Sylhet,8300
Za,ABC,ACG
```

Step-6: After doing all the steps let's run the sql 'select *from salary'

```
select *from salary;
29 rows selected.
        ID NAME                                                  CITY                                                   AMOUNT
---------- ----------------------------------------------------- ---------------------------------------------------- ----------
         1 ABC                                                   Dhaka                                                    6000
         2 BCD                                                   Rajshahi                                                 2000
         3 CBA                                                   Dhaka                                                    6000
         4 BCE                                                   Rajshahi                                                 7000
         5 EBC                                                   Rangpur                                                  3400
         7 CAB                                                   Sylhe                                                    6800
         8 DEC                                                   Rajshahi                                                 1100
         9 DCE                                                   Sylhet                                                   7300
        10 DBC                                                   Dhaka                                                    2700
        11 DCB                                                   Rajshahi                                                 8400
        12 DCC                                                   Sylhet                                                   3800
        13 EDC                                                   Dhaka                                                    7200
        14 GAB                                                   Rangpur                                                  2800
        15 BAG                                                   Rangpur                                                  7300
        16 ABG                                                   Rajshahi                                                 9100
        17 GAC                                                   Rangpur                                                  4800
        18 CAG                                                   Dhaka                                                    8300
        19 CGA                                                   Rajshahi                                                 1900
        20 ACG                                                   Sylhet                                                   5700
        21 GDA                                                   Sylhet                                                   8600
        22 DAG                                                   Dhaka                                                    5800
        23 AGD                                                   Rajshahi                                                 4700
        24 ADG                                                   Rangpur                                                  2800
        25 HAC                                                   Rangpur                                                  1900
        27 HRT                                                   Rajshahi                                                 5200
        27 ABH                                                   Sylhet                                                   8300
        28 HBA                                                   Rangpur                                                  7300
        29 ACH                                                   Sylhet                                                   9200
        30 HDC                                                   Dhaka                                                    3600

29 rows selected.
```