**Analytic SQL Project – Part 1**

**Step 1:** Connect to system login

Query: Connect system/system;

**Step 2:** Create a user called CSS

Query: Create User CSS Identified As CSS;

Query: Grant All Privileges To CSS;

**Step 3:** Connect to CSS login

Query: Connect CSS/CSS;

**Step 4:** Start the SQL file to build tables and insert data

Change the folder details to which the file is saved into your system

Query: Start **C:\Parimal\_Learning\SQL\DDL\_College\_Scholarship\_Sponsor.sql;**

**\*\* Dropping Table Table Query \*\***

Drop Table Scholarship;

Drop Table Sponsor;

**\*\* Sponsor Create Table Query \*\***

Create Table Sponsor(

Sponsor\_Id Number(2),

Name Varchar2(30) Constraint Sponsor\_Name\_Nn Not Null,

Town Varchar2(15),

County Varchar2(11),

Email Varchar2(35) Constraint Sponsor\_Email\_Uq Unique,

Business\_Type Varchar2(13),

Num\_Emp Number(5),

Turnover Number(10),

Costs Number(9),

Main\_Market Varchar2(7),

Constraint Sponsor\_Sponsor\_Id\_Pk Primary Key (Sponsor\_Id),

Constraint Sponsor\_Sponsor\_Id\_Ck Check (Sponsor\_Id > 0),

Constraint Sponsor\_Town\_Initcap\_Ck Check (Town = Initcap(Town)),

Constraint Sponsor\_County\_Initcap\_Ck Check (County = Initcap(County)),

Constraint Sponsor\_Business\_Initcap\_Ck Check (Business\_Type = Initcap(Business\_Type)),

Constraint Sponsor\_Business\_Type\_Ck Check (Business\_Type In ('Retail', 'Manufacturing', 'Service', 'Leisure')),

Constraint Sponsor\_Email\_Ck Check (Email Is Null Or Email LIKE '\_%@\_%.\_%'));

**\*\* Scholarship Create Table Query \*\***

Create Table Scholarship(

Sponsor\_Id Number(2),

Scholarship\_Id Number(3),

Title Varchar2(50) Constraint Scholarship\_Scholarship\_Id\_Nn Not Null,

Discipline Varchar2(11),

Annual\_Value Number(5),

Duration Number(1),

Initial\_Payment\_Date Date,

Num\_Instalments Number(2),

Category Varchar2(13),

Condition Varchar2(32),

University Varchar2(35),

Constraint Scholarship\_Sponsor\_Id\_Fk Foreign Key (Sponsor\_Id) References Sponsor (Sponsor\_Id),

Constraint Scholarship\_Scholarship\_Id\_Pk Primary Key (Scholarship\_Id),

Constraint Scholarship\_Scholarship\_Id\_Ck Check (Scholarship\_Id > 0),

Constraint Scholarship\_Discipline\_Ck Check (Discipline In ('Medical', 'Engineering', 'Psychology', 'Science')),

Constraint Scholarship\_Number\_Ck Check (Duration > 0 And Annual\_Value > 0 And Num\_Instalments > 0),

Constraint Scholarship\_Condition\_Ck Check (Condition In ('Must get average above 70%', 'Must pass exams', 'Reviewed at the end of each year')));