**Database Design PC-1**

**Marks: 60 Time: 2:00 hours**

**Following are the tables that you need to answer for the queries, cursors, triggers and procedures.**

**Person**

(Userid varchar2(10), age float(2), marital\_status varchar2(30),

relationship varchar2(30), Race varchar2(30), gender varchar2(20),

native\_country varchar2(40) ).

**Profession**

(Userid varchar2(10), workclass varchar2(30), fnlwgt number(10),

education varchar2(20) education\_num number(5), occupation varchar2(30),

capital\_gain float(2) capital\_loss float(2), hours\_per\_week float(2),

salary varchar2(20) )

***Complex Queries.***

1. Display all the divorced unmarried females.
2. Find the difference between the number of local government employees and private employees.
3. List out all the users who doesn’t know his workclass and no occupation.
4. List out all the users whose age is > 50 and self-emp-inc and whose native-country is United-States

***Cursors:***

1. Create a cursor to display all the persons whose has no loss and no gain on capital.

***Stored Procedures:***

1. Write a stored procedure to display all the details of the persons by passing the following values as parameters
   1. Who are Self-emp-inc and never-married and earnings >=50k
   2. Who are degree and Divorced and earnings =50k.

***Triggers:***

1. Write a trigger to insert the values into the log table with username, old and new values of the capital gain and the timestamp of the query when the capital gain is updated by 10% for the persons whose education is ‘Doctorate’,
2. Write a trigger to log the details of the user when anyone tries to modify the salary column. The log table should contain the details like userId, old and new values of salary.
3. List out all the triggers from your database.

***Views:***

1. Create a view to have the details of the users whose age is 50 and relationship is husband and stays in India.