SQL-DBS201 ASSIGNMENT-2

Submit your document  **BEFORE MIDNIGHT on the Friday, April 8, 2016**

Q-1 For the following user view, create a set of normalized 3NF tables. Be sure to show each step (UNF, 1NF, 2NF, 3NF).

Q-2 Draw ER diagram.

Project Management Report

Project code: PC110

Project Title: Pension System

Project Manager: Abc abc Project Cost: $50,000

Employee No Employee Name Department No Department Name Hourly Rate

A10112 A Hello B020 IT $23.00

A12000 C Parul B027 Programming $50.00

A10030 D Paul B004 Pension $45.00

A30010 B Check B020 IT $50.00

Total Staff on Project: 4 Average Hourly Rate: $42.00

Project Management Report

Project code: PC220

Project Title: HR System

Project Manager: D Carl Project Cost: $60,000

Employee No Employee Name Department No Department Name Hourly Rate

D1010 A Pearl B020 IT $20.00

D1200 K John B027 Programming $23.00

D3100 L Chee B004 Pension $25.00

D4300 Y Yes B120 Database $28.00

Total Staff on Project: 4 Average Hourly Rate: $23.00

UNF: PROJECT [PCODE, PTITLE, PMANAGER, PCOST, (DEPTNO, DEPTNAME, (EMPNO, EMPNAME, HRYRATE))]

1NF: PROJECT [PCODE, PTITLE, PMANAGER, PCOST]

DEPARTMENT [PCODE, DEPTNO, DEPTNAME]

EMPLOYEE [DEPTNO, EMPNO, EMPNAME, HRYRATE]

2NF: PROJECT [PCODE, PTITLE, PMANAGER, PCOST]

PROJ-DEPART [PCODE, DEPTNO]

DEPARTMENT [DEPTNO, DEPTNAME]

DEPART-EMP [DEPTNO, EMPNO]

EMPLOYEE [EMPNO, EMPNAME, HRYRATE]

3NF: PROJECT [PCODE, PTITLE, PMANAGER, PCOST]

PROJ-DEPART [PCODE(FK), DEPTNO(FK)]

DEPARTMENT [DEPTNO, DEPTNAME]

DEPART-EMP [DEPTNO(FK), EMPNO(FK)]

EMPLOYEE [EMPNO, EMPNAME, HRYRATE]

**PROJECT**

**DEPART-EMP**

**PROJ-DEPART**

**DEPARTMENT**

**EMPLOYEE**