

**DSCI304/504-01 Test 1**  
**Retrieve Data From Tables**  
**Thursday, September 24, 2020**

Print your name: \_\_\_\_\_

Based on the database **DBEx1** consisting the following three tables:

**TABLE Employees:**

LName	IDN	Salary	Deduction
Peter	1	1000.00	10.00
Mary	12	2000.00	0.00

Note: Meaning of each column: LName = last name of the IDN; IDN = the identity number, Salary = the salary of the IDN, and Deduction = the deduction from the salary of the IDN.

**TABLE IRAs:**

IDN	IRA_Acct	Balance
1	A1	100.00
22	A2	200.00
22	A3	400.00

Note: Meaning of each column: IDN = the identity number, IRA\_Acct = account number of the IDN, and Balance = the balance of the IRA account.

**TABLE AddressCity:**

IDN	CompanyCity	HomeCity
1	Saint Louis	Saint Louis
12	Saint Louis	Chesterfield

Note: Meaning of each column: IDN = the identity number, CompanyCity = the city name of the working address of the IDN, HomeCity = the city name of the living address of the IDN.

We assume that each of the above table contains thousands of records/rows.

Based on the aforementioned database **DBEx1** consisting of tables **Employees**, **IRAs**, and **AddressCity**, write each of the following SQL query statement:

- [1] Find the last name and deduction of each employee with salary no more than \$2,500.00.
  
- [2] Find the last name, salary, and the city name of the living address of each employee with salary no more than \$2,500.00.
  
- [3] Find the last name, salary, IRA account balance, and the city name of the living address of each employee with salary no more than \$2,500.00.

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- [4] Find the last name, deduction, IRA account balance, and the city name of the working address of each employee with Salary between \$1500 and \$3500 and balance more than \$300.00.
- [5] Find the total amount of deduction of all people who work in each city (must have the city name).
- [6] Find the last name, IDN, total amount of ira balance, and number of ira accounts for each people.
- [7] Find the last name, IDN, number of ira accounts, and the city name of the living address for each people.
- [8] Find the total amount of salary of all people who work in each city (must have the city name).
- [9] Find the total amount of salary and the total amount of deduction of those who work in each city (must have the city name).
- [10] Find the last name, IDN, total amount of ira balance, and total number of ira accounts for each people with at least \$300 total ira balance.