[**PROG8590-24F-Sec1-Relational**](https://conestoga.desire2learn.com/d2l/home/1255613) **Databases**

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**Assignment No: 1**

1. Query full names and birthdates and sort them by their birthdates. From the table PERSON

*Answer:*

**USE SIS**

*/// selecting the Database*

**SELECT [FirstName], [LastName], [birthdate]**

*//Selecting the columns that needs to be displayed*

*// Choosing the table ‘Person’ which has the columns*

**FROM Person**

*//Sorting the table by choosing birthday in accessing order*

**ORDER BY [birthdate] ASC**

*Output:*

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1. We need to get the postal code of the person with number: 7572381

*Answer:*

// We are using SIS and table person

// Choosing the columns to be displayed, First name, Last name & Postal code.

**SELECT [FirstName], [LastName], [postalCode]**

// pulling the data from the table ‘Person’

**FROM Person**

//We are applying a condition to show only the postal codes with the mentioned number, ignoring the others

**WHERE postalCode = '7572381'**

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1. Write a query to show the number, local city, and balance of the students with negative amount in their balance and sort them by their balances from highest value to the lowest. Change the Title to “Student ID” and “City”

*Answer:*

*//Selecting the column ‘number’ and renaming it as ‘Student ID’ when displaying, ‘localCity’ as ‘City when displaying & the balance*

**SELECT number AS "Student ID", localCity AS "City", balance**

*//selecting the table Student*

**FROM Student**

//We apply a condition, where the balance value is less than 0, to get the negative values.

**WHERE balance < 0**

// we are sorting it in the order of highest value to the least, since it is negative.

**ORDER BY balance DESC;**

*Output:*

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1. Write a query to show the first name, last name, alternate phone number, and country code of the persons who have a Null value in their alternate phone numbers and their country code is not ‘CAN’.

*Answer:*

//Selecting the column first name, last name, alternate ph number & country code

**SELECT [firstName], [lastName], [alternatePhone], [countryCode]**

//Selecting the table to pull the respective columns

**FROM Person**

//We apply the condition where the alternative ph number is having the value NULL

**WHERE alternatePhone IS NULL**

//We also choose to short list it with another condition by choosing ‘AND’ the country code is not equals ‘CAN’. Thre by we get the list that has alternate ph as NULL & country code ot equal to CAN.

**AND countryCode != 'CAN'**

*Output:*

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