**CPSC1012 In-Class Exercise #5 – Decision Structure: Switch Statement**

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| Student Name: |  | Student Mark: |  | /5 |

**INSTRUCTIONS**

Complete the requirements of this assignment on your own. When you have finished, write your name on the board to get your instructor to mark your assignment. You are encouraged to create a flowchart; without a flowchart your instructor may not provide any assistance.

**Step 1:** Create a program named CPSC1012-Ex05-YourName

**Step 2:** In the Main() method, write the code that will do the following:

* Ask the user to enter the total sale before tax, and the province the user is living in
* Calculate the total sale, with tax, using the table below for the tax rates:

|  |  |
| --- | --- |
| **Province** | **Tax Rates** |
| British Columbia (BC) | 12% |
| Alberta (AB) | 5% |
| Saskatchewan (SK) | 11% |
| Manitoba (MB) | 13% |
| Ontario (ON) | 13% |
| Quebec (QC) | 14.975% |
| Newfoundland and Labrador (NL) | 15% |
| New Brunswick (NB) | 15% |
| Nova Scotia (NS) | 15% |
| Prince Edward Island (PE) | 15% |
| Yukon (YT) | 5% |
| Northwest Territories (NT) | 5% |
| Nunavut (NU) | 5% |

* Display the purchase amount, the sales tax on the purchase, and the total cost of the sale.