**Experiment Title.**

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**Branch: MCA Section/Group: 2B**

**Semester: 2nd Date of Performance: 18/03/2021**

**Subject Name: WEB TECHNOLOGIES LAB Subject Code: 20CAP-661**

1. **Aim/Overview of the practical:**

Implementation of conditional (if-else) statement.

1. **Task to be done:**

Write if statements to do the following:

1. If character variable taxCode is ’TC’, increase price by adding the taxRate percentage if price to it.
2. If integer variable opCode has the value 1, read in double values for A and B and calculate and print their sum.
3. If integer variable currentNumber is odd, change its value so that it is now 3 times currentNumber plus 1, otherwise change its value so that it is now half of currentNumber (rounded down when currentNumber is odd).
4. Assign true to the boolean variable leapYear if the integer variable year is a leap year. (A leap year is a multiple of 4, and if it is a multiple of 100, it must also be a multiple of 400.)
5. Assign a value to double variable cost depending on the value of integer variable.

distance as follows:

Distance Cost

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0 through 90 5.00

More than 90 but not more than 300 8.00

More than 300 but less than 9,00 10.00

900 or more 12.00

1. **Algorithm/Flowchart/ E-R Diagram:**

**Condition**

**Code inside if statement**

**Code inside else statement**

1. **Dataset if you are using:**
2. $taxcode=’Tc’

$price=1246

4taxRate=5

1. $opCode=1

$A=1.2

$B=12.45

**C.** $currentNumber=13

**d.** $year=2020

**e.** $distance=780

1. **Code for experiment/practical:**

a.

![Text

Description automatically generated]()

**b.**

**![Graphical user interface, text, application

Description automatically generated]()**

**c.**

**![Text

Description automatically generated]()**

**d.**

**![Graphical user interface, text, application, Teams

Description automatically generated]()**

**e.**

**![Text

Description automatically generated]()**

1. **Result/Output/Writing Summary:**

**a.**

**![Graphical user interface, text, application

Description automatically generated]()**

b.

![Graphical user interface, text, application

Description automatically generated]()

c.

![Graphical user interface, text, application

Description automatically generated]()

d.

![Graphical user interface, text, application, chat or text message

Description automatically generated]()

**e.**

**![Graphical user interface, text, application

Description automatically generated]()**

**Learning outcomes (What I have learnt):**

**1. I learnt how to implement if statement.**

**2.I learnt how to implement if-else statement.**

**3.I learnt how to implement else if statement.**

**4.I learnt how to use different types of variable.**

**Evaluation Grid:**

|  |  |  |  |
| --- | --- | --- | --- |
| Sr. No. | Parameters | Marks Obtained | Maximum Marks |
| 1. | Demonstration and Performance (Pre Lab Quiz) |  | 5 |
| 2. | Worksheet |  | 10 |
| 3. | Post Lab Quiz |  | 5 |