In this activity, you are to create a C++ program in VS code that satisfies specific requirements to attain specific output.

**Objective/s:**

At the end of this activity, the students are expected to be able to:

* declare the variables that will hold the data which will be entered by the user
* use if-else statement to determine the values to be used in the computation
* display the required output

**Material/s Needed:**

* Screen Recording Software
* Visual Studio Code
* MinGW

**Procedure:**

1. Create a video that shows yourself doing the machine problem.
2. The video should also show the screen of VS code as the program is coded.
3. The output window should be seen in the video as data is entered and the corresponding output of the program is displayed.

**Questions:***(to be answered within the video)*

Write a C++ program that will ask for the following input from the user:

Student Name:

Program/Course:

Year Level: (should be integer type)

Number of Units Enrolled: (should be double or float data type)

Determine the corresponding year name of the student and rate per unit as follows:

Year Level Year Name Rate Per Unit

1 Freshman 1,500

2 Sophomore 1,800

3 Junior 2,000

4 or 5 Senior 2,300

Compute the tuition fee as follows:

Tuition fee = no. of units enrolled X rate per unit

Down payment = 30% of the tuition fee

Balance = tuition fee – down payment

Assume that the user will not enter an invalid value.

Sample Input:

Student Name : Maria Blanco

Program/Course : Bachelor of Science in Information Technology

Year Level : 4

No. of Units : 16

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Sample Output:

ENROLLMENT SLIP

Student Name : Maria Blanco

Program/Course : Bachelor of Science in Information Technology

Year Name : Senior

No. of Units : 16

Tuition Fee : 36800

Down Payment : 11040

Balance : 25760

**INSTRUCTIONS FOR THE STUDENTS:**

* *The filename of your lab activity should be:*

*“<Last Name><First Name>-MachineProblem0<XX>”*

* *Provide screenshots of your VS codes and program output copied to a Word file.*
* *Save your video file in “.mp4” or “.avi” format only.*
* *Upload your video to Google drive or any video sharing website such as YouTube and Vimeo.*
* *Copy the video link to a Word file, together with the screenshots of your VS codes and program output.*
* *Upload the Word file to the link provided for the activity in the LMS.*