Assignment1

VP

Submission Date:6/3/24

[Classes]

Imagine a tollbooth at a bridge. Cars passing by the booth are expected to pay a 50 Rs. Toll. Mostly they do, but sometimes a car goes by without paying. The tollbooth keeps track of the number of cars that have gone by, and of the total amount of money collected. Model this tollbooth with a class called tollbooth. The two data items are a type unsigned int to hold the total number of cars, and a type double to hold the total amount of money collected. A constructor initializes both of these to 0. A member function called payingCar () increments the total car and adds 5 to the cash total. Another function called nopayCar (), increments the car total but adds nothing to the cash total. Finally a member function called display () displays the two totals. Make appropriate member function’s constant. Include a program to test the class. This program should allow the user to push one key to count a paying car, and another to count a nonpaying car. Pushing the Esc key should cause the program to print out the total cars and total cash and then exit.

Note: Please submit the assignment to CR. Copy the code in word file and save it with your registration number.