Lab Task Week 07

1. An electronics company sells circuit boards at 20% profit. Write a program that will calculate the selling price of a circuit board that costs X R.s. Display the original price of board and the selling price of board on the screen.

2. Alice received her electricity bill for the month of October. The previous electricity units of Alice bill were X units and the present units were Y units. The X or previous units is the cumulative units for the month September and all previous months. Similarly, Y or present units is the cumulative units consumed in October plus all previous months (September, August, ……..). Calculate the units consumed in the month of October and also calculate the total bill. Your program should print the units consumed in October and the total bill for October.
   1 unit price= 5 Rs.

3. **Write a program that calculates the tax and tip on a restaurant bill for a customer with a X$ meal charge. The tax should be 4.75% of the meal cost. The tip should be 10% of the total after adding the tax. Display the meal cost, tax amount, tip amount, and total bill on the screen.**

4. **Ali and Haider are two cyclists. Ali covers a distance of X km in Y hours and Z minutes. While Haider covers a distance of A km in B hours and C minutes. Write a program that calculates the speed of two cyclists and prints the speed of both players in m/sec.**