**Problem #1**

**Leap year**

**File name: leapyear.c**

In the Gregorian calendar, years that are multiples of 4 are leap years. However, exception to this rule occurs on the century year. A century year is a multiple of 100. Such a year is deemed as leap year only if it is a multiple of 400. Write a program that takes a year as input and outputs "Leap year" if the year is a leap year. Otherwise, it should output "Not a leap year". **You can use if-else for branching. You cannot use logical connectors, ternary operators or switch statements.**

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| **Sample Input(s)** | **Corresponding Output(s)** |
| 1900  2000  1904  2004  2015 | Not a leap year  Leap year  Leap year  Leap year  Not a leap year |

**Problem #2**

**Accounting**

***File name: accounting.c***

In this problem, you are given the price of some commodity. For first 100 units, the rate is 0.5 Taka / unit. For the next 200 units, it is 0.8 taka / unit. For the next 300 units, it is 1.2 taka / unit. For the next 500 units, it is 2.0 taka / unit. Then onward, the price is 5 taka/unit, Your input is an integer representing the number of units bought by the customer. You must output a floating point number, upto 2 decimal digits, representing the total price.

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| **Sample Input(s)** | **Corresponding Output(s)** |
| 100  200  300  400  1000 | 50.00  130.00  210.00  330.00  1370.00 |