**Magic Dates**

The date June 10, 1960, is special because when it is written in the following format, the month times the day equals the year:

6/10/60

Design a program that asks the user to enter a month (in numeric form), a day, and a two-digit year. The program should then determine whether the month times the day equals the year. If so, it should display a message saying the date is magic. Otherwise, it should display a message saying the date in not magic.

**Software Sales**

A software company sells a package that retails for $99. Quantity discounts are given according to the following table:

|  |  |
| --- | --- |
| Quantity | Discount |
| 10-19 | 10% |
| 20-49 | 20% |
| 50-99 | 30% |
| 100 or more | 40% |

Write a program that asks the user to enter the number of packages purchased. The program should then display the amount of the discount (if any) and the total amount of the purchase after the discount.