

C++ Programming

Division and Modulus

Homework 3

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Teaching, Training and Coaching since more than a decade!

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Problem #1: 100 or 7?

- Write a program that reads an integer and print 100 if number is even or 7 if number is odd
 - E.g. for input 8 \Rightarrow 100
 - E.g. for input 133 \Rightarrow 7

Problem #2: Years!

- Assume a year is 12 months, but each month is 30 days
 - That is a year has $12 * 30 = 360$ days
- Read an integer: whole number of days of someone age. Print 3 numbers
 - Total years total months remaining days
- Inputs \Rightarrow Outputs
 - 360 1 0 0 each 360 days a year
 - 30 0 1 0 each 30 days a month
 - 10 0 0 10 just days infant!
 - 391 1 1 1 $391 = 360 + 30 + 1 = 1 \text{ year, } 1 \text{ month, } 1 \text{ day}$
 - 61 0 2 1 $61 = 2*30 + 1$
 - 200 0 6 20 $200 = 30*6 + 20$
 - 1000 2 9 10 $1000 = 2*360 + 9*30 + 10$
 - 5000 13 10 20

“Acquire knowledge and impart it to the people.”

“Seek knowledge from the Cradle to the Grave.”