

CMSC 131 Introduction to Computer Organization and Machine-Level Programming

Exercise 2: Basic Assembly Arithmetic Instructions

Write a program that converts the value of **age** in years (0-100) to its equivalent days and hours. Store the final outputs to memory variables **days** and **hours**. Use gdb to check the results of your program.

Example:

age: 25
days: 9125
hours: 219000

Sample gdb input.txt for checking:

```
file a.out
set disassembly-flavor intel
b*exit_here
r
x/ub &age
x/uw &days
x/ug &hours
```