

Representing time is a problem in computers because dates and times are difficult to figure out. We're going to make it a bit easier by just recording **Days**, **Hours** and **Minutes**. We're going to design a class with those three elements as **integer data members**. Days could be any integer (**positive**, **negative** or **zero**), but hours must be between **0-23** and minutes **0-59**.

- Design the class with **constructors** that can take all three or none (initialize the values to 0/0/0 by default) but do not allow construction of an object with just one or two integers!
- Add **getters** and **setters** for all values but maintain the above restrictions. `setHours(24)` should set hours to zero and increase days by 1.
- Allow for the **addition** of two Time objects, keeping constraints in mind
- Allow for the **subtraction** of two Time objects, keeping constraints in mind
- Overload the **output** operator, 2 days, 3 hours and 4 minutes should print: **"3:04 (2)"**
- Overload the **pre** and **post increment** and **decrement** operators