
Clock

P45616_en

Using the definition

```
struct Clock {  
    int h;      // hours (0<=h<24)  
    int m;      // minutes (0<=m<60)  
    int s;      // seconds (0<=s<60)  
};
```

implement the following functions and procedures:

```
Clock midnight();  
void increase (Clock& r);  
void print (const Clock& r);
```

the function @midnight()@ returns a clock initialized to midnight (00:00:00). The procedure @increase()@ increases the clock a second. The procedure @print()@ prints the time of the clock in the format @HH:MM:SS@ in a line.

Observation

You only need to submit the required classes; your main program will be ignored. Strictly obey the type definitions of the statement.

Problem information

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