
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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Generation : 2023-07-14 18:01:43

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