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