Clock

Using the definition

```c
struct Clock {
    int h; // hours (0\leq h \leq 24)
    int m; // minutes (0\leq m \leq 60)
    int s; // seconds (0\leq s \leq 60)
};
```

implement the following functions and procedures:

```c
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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