Using the definition

```c
struct Rational {
    int num, den;
};
```

write a function

```c
Rational rational (int n, int d);
```
that returns an equivalent rational to \( \frac{n}{d} \) and “normalized” according to: if the numerator is 0, the denominator is 1; otherwise, the numerator and the denominator do not have any common factor, and the denominator is positive.

**Precondition**

\( d \neq 0 \).

**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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