

**class** Nokia5110Driver

**Nokia5110Driver**

+ RST\_BIT : define = 0

+ DC\_BIT : define = 1

+ LIGHT\_BIT : define = 2

+ initDisplay() : void

+ clearDisplay() : void

+ resetDisplay() : void

+ setCursor(char x, char y) : void

+ sendIntruction(unsigned char instruction) : void

+ sendData(unsigned char data): void

**SPIDriver**

```
classDiagram
    class SPIDriver
    class Nokia5110Driver {
        +RST_BIT : define = 0
        +DC_BIT : define = 1
        +LIGHT_BIT : define = 2
        +initDisplay() : void
        +clearDisplay() : void
        +resetDisplay() : void
        +setCursor(char x, char y) : void
        +sendIntruction(unsigned char instruction) : void
        +sendData(unsigned char data): void
    }
    SPIDriver --|> Nokia5110Driver
```

The diagram illustrates a class hierarchy where SPIDriver is a base class and Nokia5110Driver is a derived class. The Nokia5110Driver class is defined with three static constants (RST\_BIT, DC\_BIT, LIGHT\_BIT) and seven methods (initDisplay, clearDisplay, resetDisplay, setCursor, sendIntruction, sendData). An inheritance arrow points from SPIDriver to Nokia5110Driver.