SPI

Instead of I2C, the DS3234 uses SPI communication, featuring CLK, MISO, MOSI, and SS pins. The programming process begins with including the SPI library in Arduino code and assigning a Chip Select (CS) pin.

The function `RTC_init` is called to set up communication parameters like bit order (MSB first), as specified in the DS3234 datasheet. It's clarified that data consists of 8 bits representing various time settings or alarm configurations. A hexadecimal number (8E) is sent as an address for writing into specific registers within the DS3234 IC.