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-- VHDL Architecture Bachelor.ADC_Write.STUDENT_V3
--
-- Created:
--         by - christop.grobety.UNKNOWN (WE2332207)
--         at - 15:30:17 05.07.2023
--
-- using Mentor Graphics HDL Designer(TM) 2019.2 (Build 5)
--
ARCHITECTURE STUDENT_V3 OF ADC_Write IS
    signal count: unsigned(5 downto 0);
    signal go : std_uLogic;
    signal MISO_IN : std_uLogic;
    signal clockOut : std_uLogic;
    signal clockGO : std_uLogic;
BEGIN
    spiMS: process(m, SDO)
    begin
        if m = "0010" then
            NCS <= '0';
            --MISO_IN <= SDO(SDO'high);
        else
            NCS <= '1';
            --MISO_IN <= '0';
        end if;
    end process spiMS;

    colckSwitch: process(FPGA_clock)
    begin
        if unsigned(m) <= "0010" then
            clockOut <= FPGA_clock;
        else
            clockOut <= '1';
        end if ;
    end process colckSwitch;
    AW_CLOCK <= clockOut;
    --MISO <= MISO_IN;
END ARCHITECTURE STUDENT_V3;

```