```
/*****************************************************************************************************************************************/
/** @fcn        void tw_set_pwm(PwmChannel channel, uint32_t value)
 *  @brief      set a PWM channel's output value
 *
 *  @example    tw_set_pwm(PWM2, 500) <- Set PWM2 to 50%
 *
 *  @param      [in]    (PwmChannel) channel    channel of PWM to use   (e.g. PWM Module0 Unit2 is 'PWM2')
 *  @param      [in]    (uint32_t)   value      PWM value in percentage (e.g. 99.5% is 995)
 *
 *  @pre        channel requested is properly configured and ready for use
 *  @post       channel requested is set to value percentage for PWM output
 *
 *  @section    Assumptions
 *              all input values are valid and correct
 */
/*****************************************************************************************************************************************/
void tw_set_pwm(PwmChannel channel, uint32_t value) {

    //Convert value(%) to Compare Value
    uint32_t cmpVal = (value*pwmPeriod) / 1000;                             /* @eqn     (in: 0 - 1000) -> (out: 0 - pwmPeriod)      */

    //Select pwm channel
    uint32_t pwmOut = (channel==PWM2) ? PWM_OUT_2 : PWM_OUT_3;

    //Apply the value
    PWMPulseWidthSet(PWM0_BASE, pwmOut, cmpVal);                            /* set both to 1.0ms pulses                            */

    return;
}
```