

```
uint16 ADC_Max=65535;
uint16 ADC_Min=0;

uint16 ADC_Result;
float Comp_Val;

int main()
{
    // Start the components
    Sys_Init();

    //CyGlobalIntEnable; // Uncomment this line to enable global interrupts.

    // Start Clock & PWM
    Clock_Start();
    PWM_Start();

    while(1)
    {
        Comp_Val = (float) (PWM_ReadPeriod() / (ADC_Max * ADC_Result));

        PWM_WritePeriod(PWM_ReadPeriod() );
        PWM_WriteCompare(Comp_Val);
    }
}
```