tester name:	Hazem Ashraf Ali				
date	2/7/2023				
project	RGB LED brightness control V1.0 Design				
test name:	application testing				
test ID	test case describtion	steps	expected results	actual results	pass/fail
APP_01	application init	1. Flash the program 2. Press Reset Switch	Expected to have all the RGB LED off	match with the expected result	pass
APP_02	application start	1. Flash the program 2. Press Reset Switch 3. Press the switch SW1 button multiple times	Expected for each button press the following results should occur sequentially: 1st Press: Green LED is ON with 30% duty cycle 2nd Press: Green LED is ON with 60% duty cycle 3rd Press: Green LED is ON with 90% duty cycle 4th Press: Green LED is off 5th Press:Repeat from "1st press" step	match with the expected result	pass
APP_03	hold the button pressed	Press the switch SW1 button and hold for a time	the state of the LED change only for once	match with the expected result	pass
APP_04	pressing reset while program in running	1- run the application 2- press the reset button while the program run	Expected to have all the RGB LED off and with further button press the Green LED will start from 30% duty cycle	match with the expected result	pass