**Exp-6 Simulation of PWM waveform generation using mbed**

**Aim:** Write a cpp program for PWM waveform generation in mbed simulator

**Software used:** mbed Compiler and simulator

**Program**

#include "mbed.h"

PwmOut led(p5);

int main() {

while(1) {

led = led + 0.10;

printf("LED is now %.2f\n", led.read());

wait(0.2);

if(led == 1.0) {

led = 0;

}

}

}

**Interfacing diagram:**

**Results:**