**Exp-4 Simulation of Parallel port programming (LED Interfacing) using mbed**

**Aim:** Write an cpp program for led interfacing in mbed simulator

**Software used:**mbed Compiler and simulator

**Program**

#include "mbed.h"

DigitalOutredled(p5);

DigitalOutgreenled(p6);

DigitalInswitchinput(p7);

int main()

{

while(1) {

if (switchinput==1) { //test value of switchinput

//execute following block if switchinput is 1

greenled = 0; //green led is off

redled = 1; // flash red led

wait(0.2);

redled = 0;

wait(0.2);

} //end of if

else { //here if switchinput is 0

redled = 0; //red led is off

greenled = 1; // flash green led

wait(0.2);

greenled = 0;

wait(0.2);

} //end of else

} //end of while(1)

} //end of main

**Interfacing diagram:**

**Results:**