



**DEPARTMENT OF COMPUTER &  
SOFTWARE ENGINEERING  
COLLEGE OF E&ME, NUST, RAWALPINDI**



**Microprocessor and Microcontroller Based Design**

**Lab 08**

**SUBMITTED TO:**

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**SUBMITTED BY:**

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**Reg # 359607**

**DE-42 (C&SE)-A**

**Submission Date: 28-11-2022**

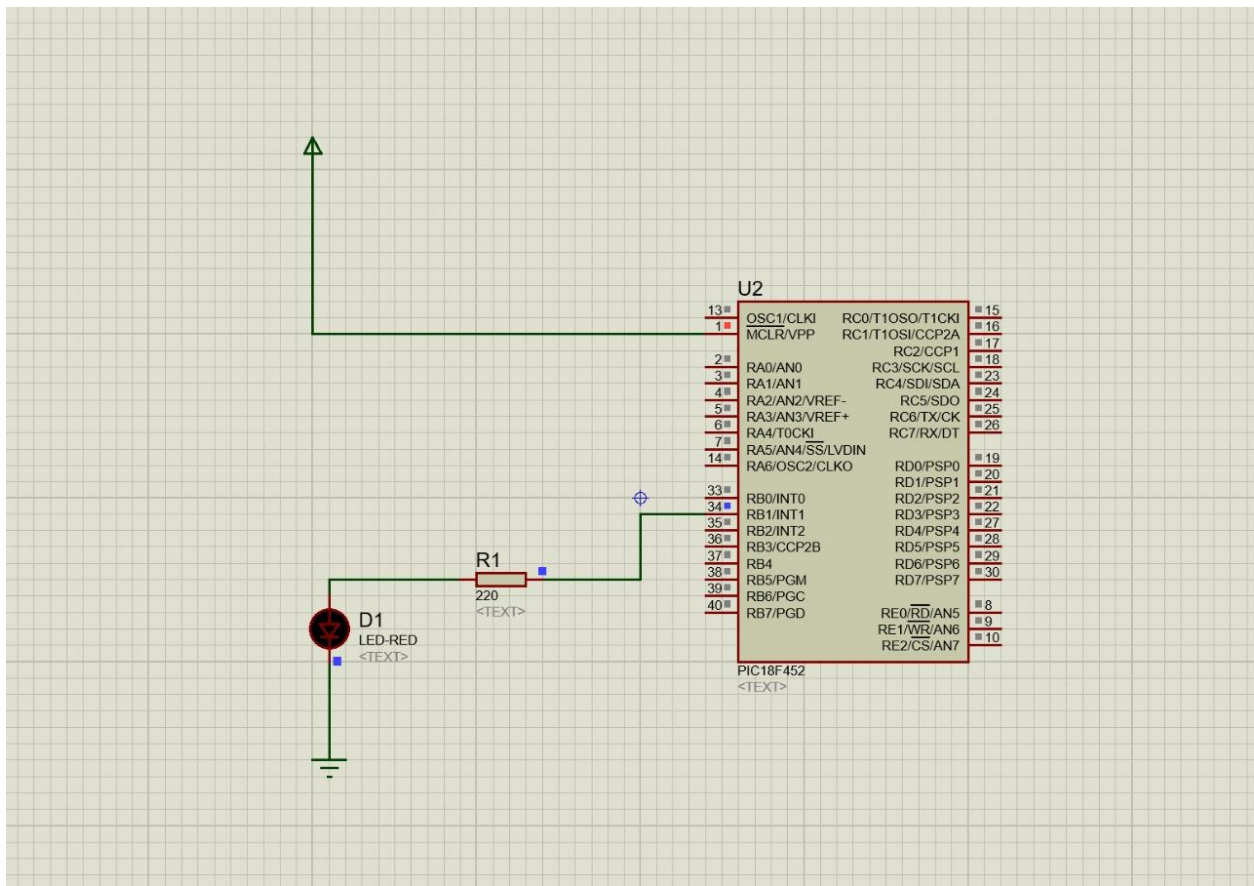
**Question No. 1:**

**Code PIC18 microcontroller to perform toggling LED light.**

**Code:**

```
#include P18f452.INC
org 00h
E:
movlw 0x0
movwf TRISB
movlw 0xAA
movwf PORTB
goto E
End
```

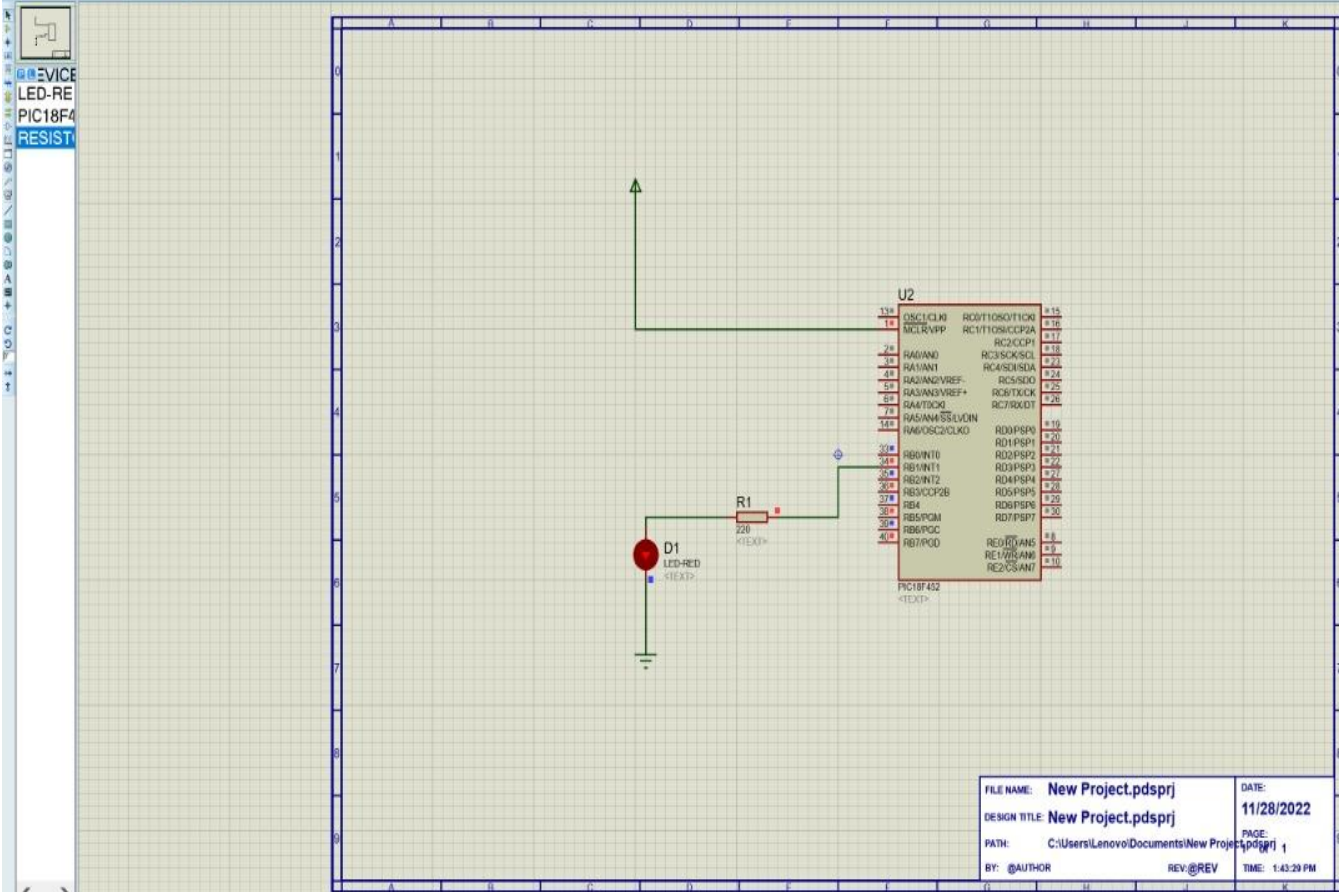
**Output:**



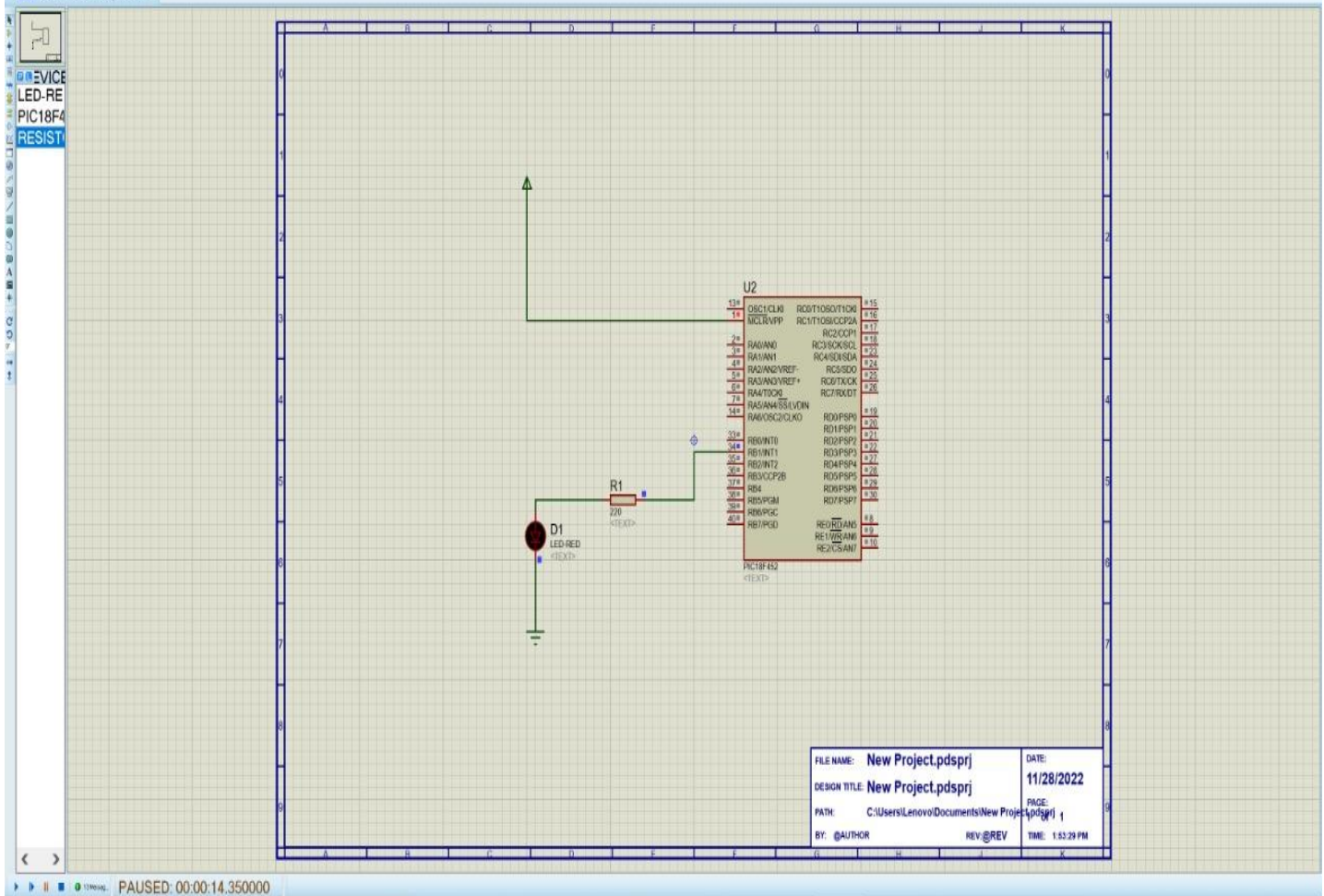
**Edit Component**

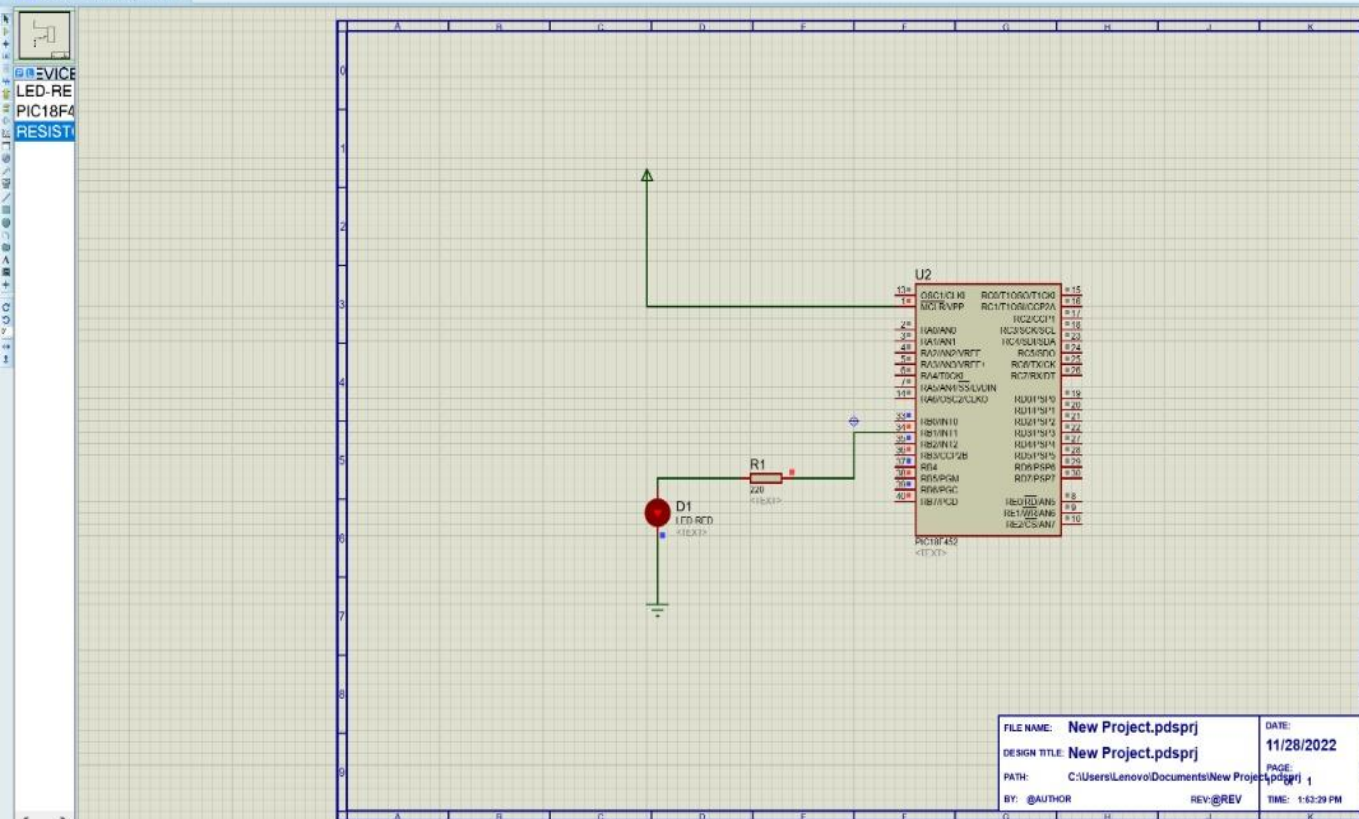
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Part Value:	<input type="text" value="PIC18F452"/>	Hidden: <input type="checkbox"/>
Element:	<input type="text"/> <input type="button" value="New"/>	
PCB Package:	<input type="text" value="DIL40"/> <input type="button" value="?"/>	Hide All ▾
Program File:	<input type="text" value="D:\Mudassar Khan\Lab8.hex"/> <input type="button" value="📁"/>	Hide All ▾
Processor Clock Frequency:	<input type="text" value="1KHz"/>	Hide All ▾
<b>Advanced Properties:</b>		
Force ADC Breakpoint At Sample Time?	<input type="text" value="(Default)"/> <input type="button" value="▾"/>	Hide All ▾
<b>Other Properties:</b>		
<div style="border: 1px solid #ccc; height: 100px;"></div>		
<input type="checkbox"/> Exclude from Simulation <input type="checkbox"/> Attach hierarchy module <input type="checkbox"/> Exclude from PCB Layout <input type="checkbox"/> Hide common pins <input type="checkbox"/> Exclude from Bill of Materials <input type="checkbox"/> Edit all properties as text		





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BY: @AUTHOR	REV: @REV





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