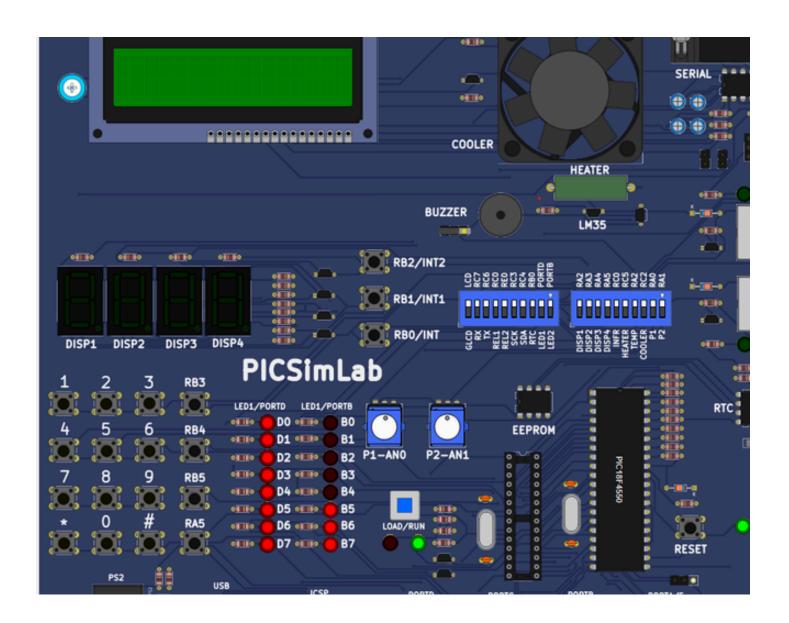
Practical No 5

Interface PIC18FXXX with LED & Blinking it using specified Delay:

```
INPUT:
#include <xc.h>
void delay(unsigned int time)
{
  unsigned int i, j;
  for(i = 0; i < time; i++)
  {
    for(j = 0; j < 5000; j++)
    {
    }
  }
}
void main(void) {
  TRISD = 0x00;
  LATD = 0xFF;
  while(1)
  {
    LATD = \simLATD;
    delay(200);
  }
  return;
}
```

OUTPUT:



Practical No 4

Sorting the Numbers in Ascending and Descending Order:

```
Ascending Order:
INPUT:
#include <xc.h>
#include <stdlib.h>
#include <pic18f4550.h>
int main(void) {
  int i, j, t;
  int a[] = \{0x45, 0x03, 0x06, 0x13, 0x32, 0x02, 0x05, 0x23\};
  for (j = 0; j \le 7; j++) {
    for (i = 0; i < 7; i++) {
       if (a[i] > a[i + 1]) {
         t = a[i];
         a[i] = a[i + 1];
         a[i + 1] = t;
       }
    }
  }
  TRISD = 0;
  for (i = 0; i \le 7; i++) {
    PORTD = a[i];
    for (int n = 0; n < 1000; n++)
       for (int k = 0; k < 100; k++);
  }
```

OUTPUT:



```
Descending Order:
#include <xc.h>
#include <stdlib.h>
#include <pic18f4550.h>
int main(void) {
  int i, j, t;
  int a[] = \{0x45, 0x03, 0x06, 0x13, 0x32, 0x02, 0x05, 0x23\};
  for (j = 0; j \le 7; j++) {
    for (i = 0; i < 7; i++) {
       if (a[i] < a[i + 1]) {
         t = a[i];
         a[i] = a[i + 1];
         a[i + 1] = t;
       }
     }
  }
  TRISD = 0;
  for (i = 0; i \le 7; i++) {
```

```
PORTD = a[i];

for (int n = 0; n < 1000; n++)

for (int k = 0; k < 100; k++);

}
```

OUTPUT:

_	classes x	Ou	tput	x @	asce	nding.	c x	File	Regist	ers :	ĸ							
Q	Address	00	01	02	03	04	05	06	07	08	09	0A	0B	0C	0D	0E	0F	ASCII
-	000	00	06	00	00	00	00	80	96	18	01	00	06	00	03	00	02	
	010	00	01	00	00	00	00	00	01	00	01	00	06	00	03	00	02	
4	020	00	00	00	00	00	00	00	00	00	00	00	00	00	00	00	00	
1	030	00	00	00	00	00	00	00	00	00	00	00	00	00	00	00	00	
	040	00	00	00	00	00	00	00	00	00	00	00	00	00	00	00	00	