

## Experiment No.: 05

//Program to ON-OFF alternate bits using PIC18F4550

```
#include <PIC18F4550.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)
```

```
{
```

```
    TRISB=0x00;
```

```
    while(1)
```

```
    {
```

```
        PORTB=0xAA;
```

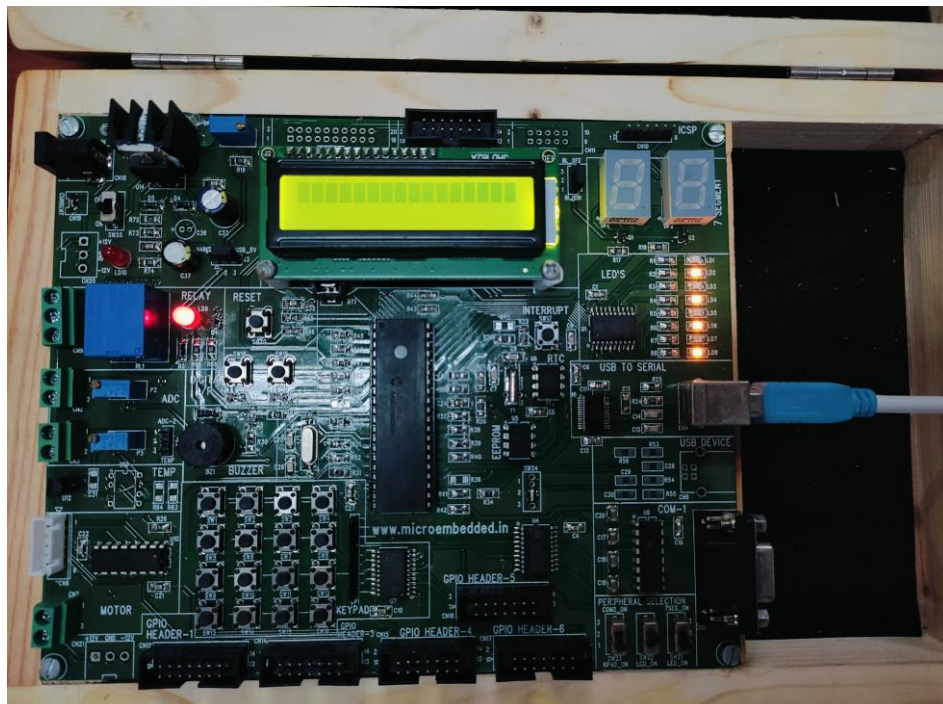
```
        delay(200);
```

```
        PORTB=0x55;
```

```
        delay(200);
```

```
    }
```

```
}
```



```
//Program to ON-OFF 2 alternate bits using PIC18F4550
```

```
#include <PIC18F4550.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)
```

```
{
```

```
    TRISB=0x00;
```

```
    while(1)
```

```
    {
```

```
        PORTB=0xCC;
```

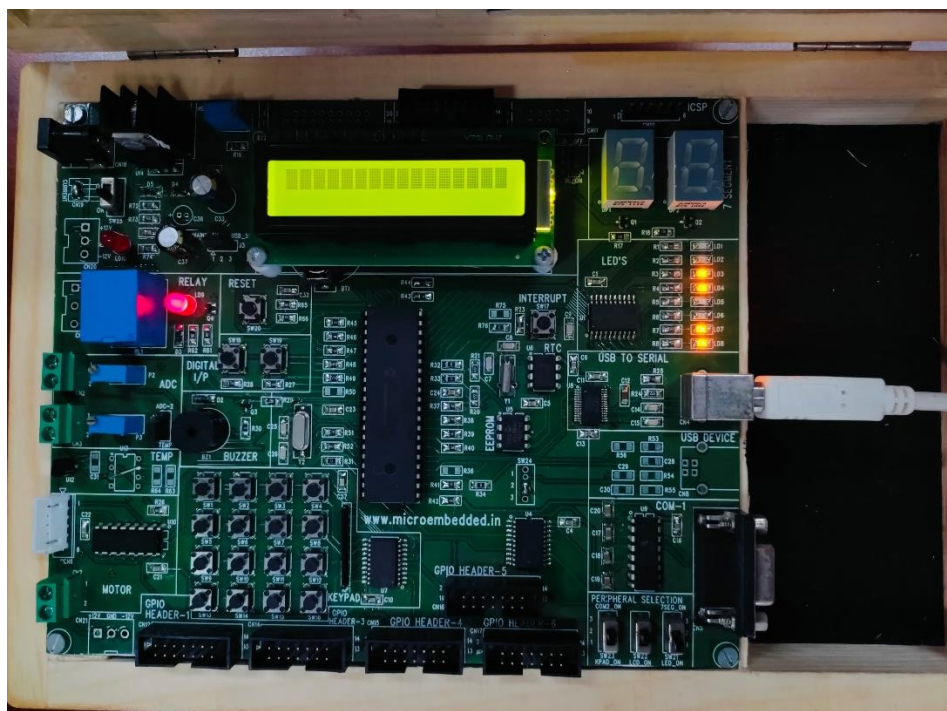
```
        delay(200);
```

```
        PORTB=0x33;
```

```
        delay(200);
```

```
    }
```

```
}
```



```
//Program to ON-OFF 4 alternate bits using PIC18F4550
```

```
#include <PIC18F4550.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)
```

```
{
```

```
    TRISB=0x00;
```

```
    while(1)
```

```
    {
```

```
        PORTB=0x0F;
```

```
        delay(200);
```

```
        PORTB=0xF0;
```

```
        delay(200);
```

```
    }
```

```
}
```



```
//Program to ON-OFF all 8 bits using PIC18F4550
```

```
#include <PIC18F4550.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)
```

```
{
```

```
    TRISB=0x00;
```

```
    while(1)
```

```
    {
```

```
        PORTB=0xFF;
```

```
        delay(200);
```

```
        PORTB=0x00;
```

```
        delay(200);
```

```
    }
```

```
}
```

