

Amina Qadeer

CE-42-A

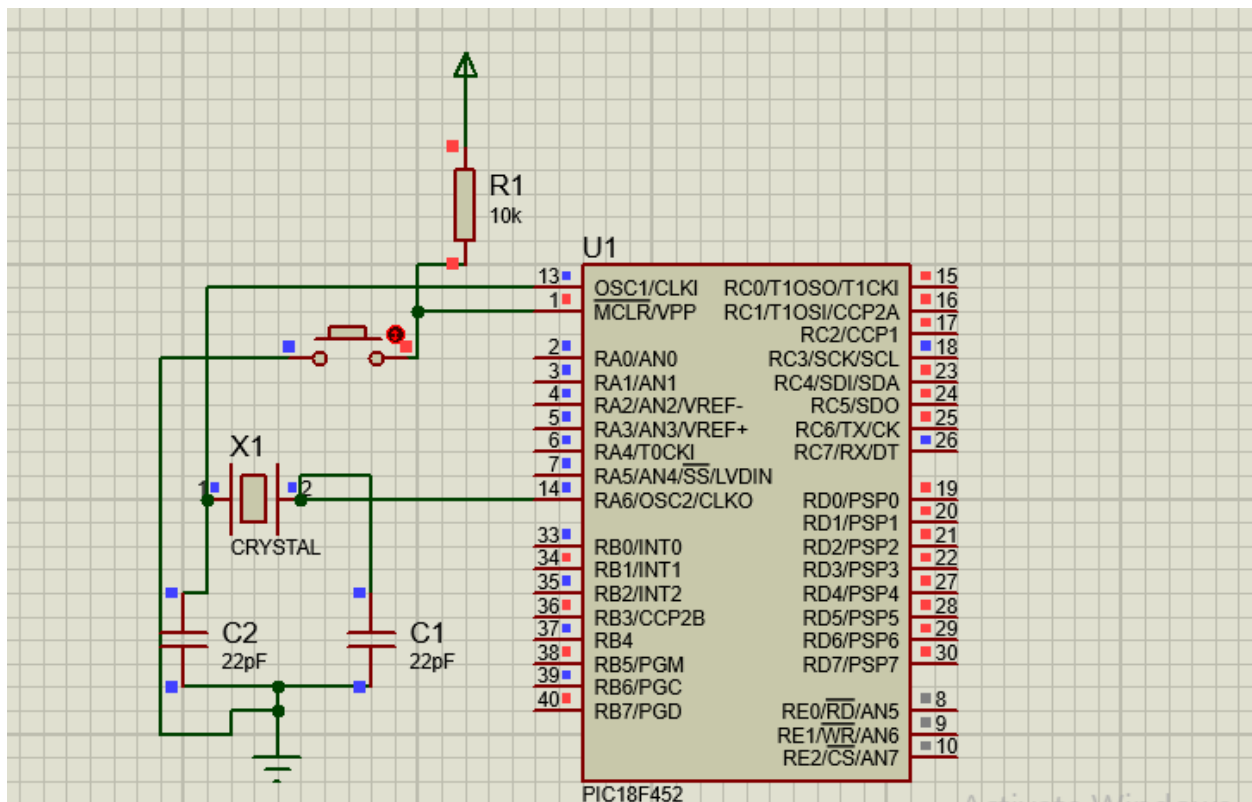
359607

LAB 09

- 1) Write 0xAA on PORTB, 0x77 on PORTC and 0xFF on PORTD using MPLAB and show results in Proteus on LEDs. Reset circuit should also be made.

Proteus Simulation:

Example circuit:



CODE:

```
#include P18f452.INC
```

```
    org 00h
```

```
    movlw 0H
```

```
    movwf TRISB
```

```
    movlw 0xAA
```

```
    movlw PORTB
```

```
    movlw 0H
```

```
    movwf TRISC
```

```
    movlw 0x77
```

```
    movwf PORTC
```

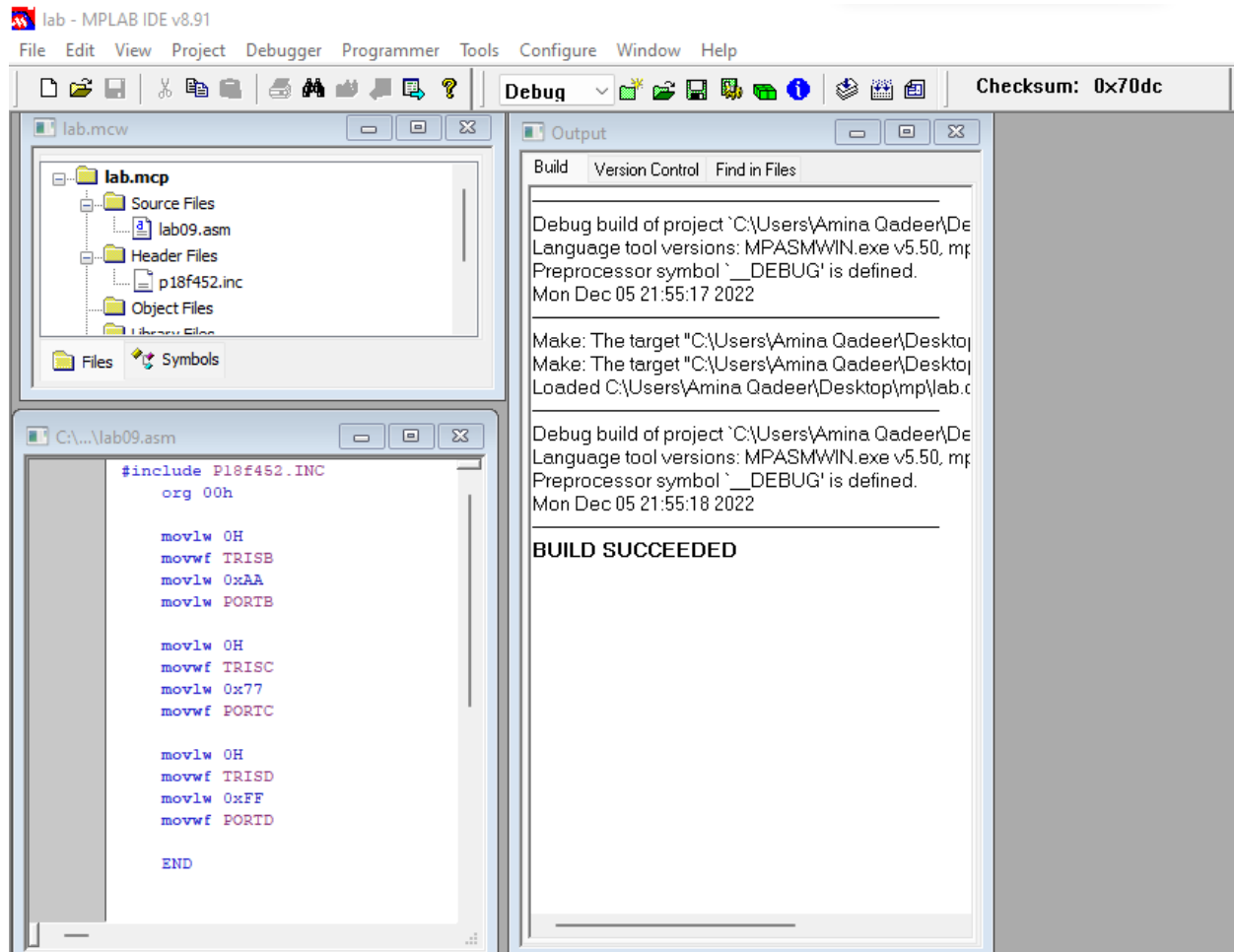
```
    movlw 0H
```

```
    movwf TRISD
```

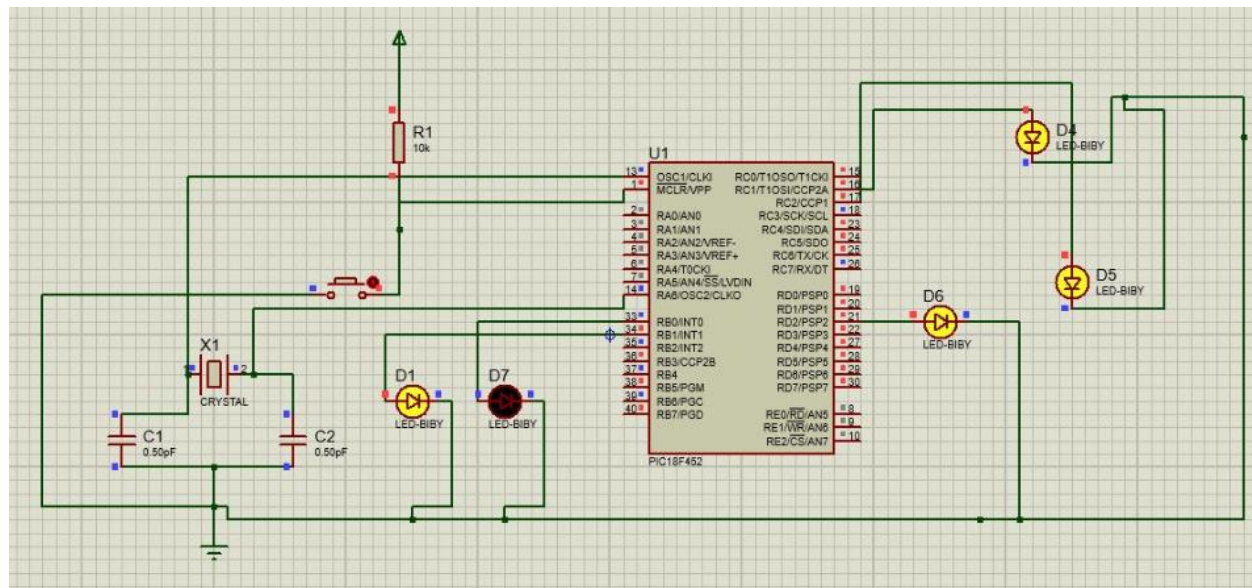
```
    movlw 0xFF
```

```
    movwf PORTD
```

```
END
```



Saving as .hex file



**2) Display '5' on a seven-segment display connected on PORTD in Proteus.**

**CODE:**

```
#include<P18f452.INC>
```

```
org 100h
```

```
movlw 0h
```

```
movwf TRISD
```

```
movlw 05H
```

```
movwf PORTD
```

```
End
```

